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ORONO

BULLETIN 393 DECEMBER, 1938

FOOD-PLANT CATALOGUE OF THE APHIDS OF THE WORLD

Including the Phylloxeridae

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AGRICULTURAL EXPERIMENT STATION
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BULLETIN 393

FOOD-PLANT CATALOGUE OF THE APHIDS OF THE WORLD

Including the Phylloxeridae

EDITH M. PATCH

PREFATORY NOTE

This catalogue is a compilation from aphid literature up to and including 1935. Being a compilation, it should not be interpreted to assume any responsibility for the authenticity of the names of the aphids or of their food plants—a reference to literature is given in each case.

The same species of aphids often have been recorded on the same species of plants by different authorities. In such cases needless duplication is avoided by quoting only a few of the authorities. A recent publication is sometimes given preference when it contains references to the earlier literature concerned.

The generic name here used for each species is in accord with some of the literature cited for that species. Obviously, in a compilation of this sort no attempt can be made toward a consistent choice of generic names.

ACKNOWLEDGMENTS

Acknowledgment is made to Miss Alice W. Averill for her assistance in the routine work in the preparation of this catalogue. For a period of thirty years, Miss Averill has kept up to date lists of the food plants recorded in all accessible aphid papers. The cumulative manuscript catalogue thus compiled has been a most convenient reference during the preparation of the bulletin here presented.

Acknowledgments also are made to many entomologists in many countries who have sent me their publications on aphids, which I have used with sincere appreciation.

EUMYCETES

FUNGI

There is no evidence that aphids ever develop on fungi. Sometimes they have been observed on succulent members of this group of plants where they chanced to be resting.

Eriosoma? fungicola Walsh. Walsh, 1862a, p. 304 (See Osborn, 1890a, p. 32–41).
Moist fungi.

Toxoptera graminum Rondani. Hunter, 1909a, p. 103.
Toadstools.

MUSCI

MOSSES

Carolinaia modestus Hottes. Hottes, 1926b, p. 117.
Polytrichum commune.

Macrosiphum sonchi Linnaeus. Wilson, 1918a, p. 270.
Macrophyllum.

Melaphis minutus Baker. Baker, 1919a.
Moss.

Nipponaphis distychii Pergande. Matsumura, 1917a, p. 55.
Distichium racemosum.

Nipponaphis yanonis Matsumura. Matsumura, 1917a, p. 56.
Distichium racemosum.

Truncaphis newsteadii Theobald. Theobald, 1918a, p. 26.
Hypnum.

POLYPODIACEAE

FERN FAMILY

Amphorophora ampullata Buckton. Mason, 1925a, p. 10; Oestlund, 1887a, p. 77; Theobald, 1926a, p. 191.
Cystopteris montana, Onoclea struthiopteris.

Amphorophora katoi Takahashi. Takahashi, 1925a, p. 26.
Polypodium ellipticum.

Amphorophora laingi Mason. Mason, 1925a, p. 35; Theobald, 1926a, p. 193.
Aspidium, Asplenium, Onoclea sensibilis, O. struthiopteris, Polystichum.

Aphis pteris-aquilinoides Rafinesque. Wilson, 1918a, p. 307.
Pteris aquilina.

Aulacorthum filicis van der Goot. Van der Goot, 1916a, p. 280.
"Farne."

Cerataphis lataniae Boisduval. Swain, 1919a, p. 164.
Cyrtomium.

Idiopterus nephrelepidis Davis. Blanchard, 1922b, p. 46; Essig, 1911c, p. 541, 1917a, p. 329; Griswold, 1926a, p. 359; Hall, 1926a, p. 44; Hori, 1929b, p. 59; Theobald, 1926a, p. 359.

Acrostichum reticulatum, Adiantum, Asplenium ruta, Ceropteris calomelanos, Cyrtomium falcatum, Nephrolepis davalloides, N. exaltata, Onychium japonicum, Polypodium, Pteris aquilina, P. cretica, P. tremula.

Macrosiphum adianti Oestlund. Hottes, 1931b, p. 296; Oestlund, 1887a, p. 66.
Adiantum pedatum, Aspidium.

Macrosiphum ptericolens Patch. Hottes, 1931b, p. 318; Patch, 1919b, p. 210.
Athyrium filix-femina, Pteris aquilina.

Macrosiphum pteridis Wilson. Wilson, 1915a, p. 101.
Pteris aquilina.

Mastopoda pteridis Oestlund. Oestlund, 1887a, p. 49; Patch 1910a p. 246.
Pteris aquilina Linn.

Megoura dryopteridis Matsumura. Matsumura, 1918a, p. 13.
Dryopteris dilata.

Micromyzus nigrum van der Goot. Van der Goot, 1916a, p. 56.
Adiantum.

Myzus circumflexus Buckton. Davis, 1914a, p. 122; Swain, 1919a, p. 164.
Adiantum, Cyrtomium.

Myzus polypodicola Takahashi. Mason, 1927a, p. 88; Takahashi, 1925a, p. 20, 1927a, p. 16, 1931a, p. 70.
Dryopteris arida, D. parasitica, Polystichum.

Myzus pterisoides Theobald. Theobald, 1918b, p. 293.
"Ferns."

Myzus woodwardiae Takahashi. Takahashi, 1923a, p. 82.
Polystichum, Woodwardia radicans.

Pentalonia nigronervosa Coquerel. Essig, 1917a, p. 335.
"Ferns."

Phyllaphis fagi Linnaeus. Werder, 1931a, p. 78.
Athyrium filix-femina.

Rhopalosiphum staphyleae Koch. Wilson, 1918a, p. 230.
Cystopteris montana.

MARSILEACEAE

MARSILEA FAMILY

Myzus persicae Sulzer. Gillette, 1908a, p. 36.
Marsilea quadrifolia, M. vestita.

Rhopalosiphum nymphaeae Linnaeus. Theobald, 1927a, p. 64.
Marsilea quadrifolia.

SALVINIACEAE

SALVINIA FAMILY

Rhopalosiphum nymphaeae Linnaeus. Theobald, 1927a, p. 64; Takahashi, 1931a, p. 52.
Azolla filiculoides, Salvinia natans.

TAXACEAE

YEW FAMILY

Neophyllaphis podocarpi Takahashi. Takahashi, 1927a, p. 17.
Podocarpus.

PINACEAE

PINE FAMILY

ADELGINAE:

Adelges abietis Linnaeus. Annand, 1928a, p. 57; Börner, 1908a, p. 249; Cholodkovsky, 1910a, 1911a; Gambrell, 1934a, p. 8; Herrick, 1926a; Hori, 1929b, p. 58; Mordvilko, 1935a, p. 316; Patch, 1909a, p. 307; Zirnits, 1927a, p. 255.
Larix leptolepis, Picea abies, P. canadensis, P. engelmanni, P. excelsa, P. glauca, P. mariana, P. obovata, P. pungens, P. rubra, P. schrenkiana.

Adelges aenigmaticus Annand. Annand, 1928a, p. 73.
Larix laracina.

Adelges cooleyi Gillette. Annand, 1928a, p. 46; Chrystal, 1922a, p. 43.
Picea engelmanni, P. orientalis, P. parryana, P. pungens, P. sitchensis, Pseudotsuga macrocarpa, P. taxifolia.

Adelges diversis Annand. Annand, 1928a, p. 72.
Larix europaea.

Adelges funitectus Dreyfus. See Annand, 1928a, pp. 75, 82–83 for comments on confused reports. Börner, 1908a, p. 211; Burdon, 1908a, p. 129.
Abies, Picea excelsa, P. orientalis, Tsuga canadensis, T. heterophylla.

Adelges lapponicus Cholodkovsky. Annand, 1928a, p. 32; Burdon, 1908a, p. 127; Cholodkovsky, 1915a.
Picea.

Adelges lariciatus Patch. Annand, 1928a, p. 60; Cholodkovsky, 1915a; Patch, 1909a, p. 307.
Larix laricina, Picea abies, P. canadensis.

Adelges laricis Vallot. Wilson, 1918a, p. 99.
Larix.

Adelges nüsslini Börner. Annand, 1928a, p. 87; Chrystal, 1925a, p. 55; Schneider-Orelli, 1929a; Werder, 1931a, p. 78; Zirnits, 1927a, p. 255.
Abies alba, A. balsamea, A. grandis, A. nobilis, A. nordmanniana, A. pectinata, Picea orientalis.

Adelges oregonensis Annand. Annand, 1928a, p. 69.
Larix europaea, L. occidentalis.

Adelges piceae Ratzeburg. Annand, 1928a, p. 78, 80; Balch, 1934a, p. 380; Börner, 1908a, p. 211, 1908b, p. 742; Cholodkovsky, 1915a; Chrystal, 1925a, p. 34; Mordvilko, 1935a, p. 314.
Abies balsamea, A. cephalonica, A. concolor, A. cilicica, A. faxoniana, A. firma, A. forrestii, A. fraseri, A. grandis, A. nobilis, A. pectinata,

A. pindrow. (See Mordvilko, 1935a, p. 314 for discussion of primary foodplant.)

Adelges strobilobius Kaltenbach. Annand, 1928a, p. 64; Börner, 1908a, p. 211; Cholodkovsky, 1915a; Mordvilko, 1935a, p. 314–315.
Larix europaea, L. kaempferi, L. laricina, Picea excelsa, P. mariana, P. obovata, P. rubra.

Adelges tsugae Annand. Annand, 1928a, p. 92.
Tsuga heterophylla.

Chermes alaeviridis Solowiow. Solowiow, 1924a, p. 38–49.
"Tanne."

Chermes coccineus Cholodkovsky. Burdon, 1908a, p. 128.
Abies sibirica, Picea excelsa.

Chermes himalayensis Stebbing. Stebbing, 1910a.
Abies webbiana, Picea morinda.

Chermes japonicus Monzen. Monzen, 1929a.
Picea yezoensis.

Chermes nigra Solowiow. Solowiow, 1924a.
"Tanne."

Chermes pinicorticis Fitch. Patch, 1909a, p. 303. Osborn, 1880a, p. 96.
Pinus strobus, P. sylvestris.

Chermes viridis Ratzeburg. Burdon, 1908a, p. 124; Cholodkovsky, 1915a.
Larix europaea, Picea excelsa.

Cholodkovskya viridana Cholodkovsky. Cholodkovsky, 1915a; Mordvilko, 1935a, p. 316.
Larix.

Cholodkovskya viridula Cholodkovsky. Cholodkovsky, 1915a; Mordvilko, 1935a, p. 317.
Larix.

Cnaphalodes affinis Börner. Börner, 1908a, p. 211.
Picea excelsa.

Dreyfusia abietis-piceae Stebbing. Börner, 1908a, p. 211.
Abies webbiana, Picea morinda.

Dreyfusia nordmannianae Eckstein. Mordvilko, 1935a, p. 312–313.
Abies nordmanniana, A. pectinata, Picea orientalis.

Dreyfusia pectinatae Cholodkovsky. Börner, 1908a, p. 211; Mordvilko, 1935a, p. 312.
Abies balsamea, A. sibirica, Picea excelsa, P. obovata.

Dreyfusia prelli Grosmann. Grosmann, 1935a.
Abies cephalonica, A. nordmanniana, Picea orientalis.

Pineus börneri Annand. Annand, 1928a, p. 114.
Pinus radiata.

Pineus boycei Annand. Annand, 1928a, p. 104.
Picea engelmanni.

Pineus cembrae Cholodkovsky. Annand, 1928a, p. 130; Mordvilko, 1935a, p. 317.
Picea excelsa, P. obovata, Pinus cembra, P. sibirica.

Pineus coloradensis Gillette. Annand, 1928a, p. 125.
Pinus contorta, P. edulus, P. lambertiana, P. monophylla, P. monticola, P. nigra, P. ponderosa, P. strobus, P. sylvestris.
Pineus engelmanni Annand. Annand, 1928a, p. 130.
Picea engelmanni.
Pineus floccus Patch. Annand, 1928a, p. 107; Cholodkovsky, 1915a; Patch, 1909a, p. 306–307.
Picea mariana, P. rubra, Pinus strobus.
Pineus laevis Maskell. Annand, 1928a, p. 115; Maskell, 1885a.
Pinus halepensis, P. insignis, P. sylvestris.
Pineus orientalis Dreyfus. Mordvilko, 1935a, p. 317.
Picea orientalis, Pinus montana, P. sylvestris.
Pineus pini Koch. Burdon, 1908a, p. 133; Mordvilko, 1935a, p. 319.
Pinus strobus, P. sylvestris.
Pineus pini Linnaeus. Börner, 1908a, p. 211; Chrystal, 1924a.
Picea excelsa, P. orientalis, Pinus montana, P. sylvestris.
Pineus pinifoliae Fitch. Annand, 1928a, p. 101; Patch, 1909a, p. 306.
Picea engelmanni, P. mariana, P. parryana, P. rubra, P. sitchensis, Pinus monticola, P. strobus.
Pineus similis Gillette. Annand, 1928a, p. 111; Gillette, 1907a, p. 15; Patch, 1909a, p. 301.
Picea canadensis, P. engelmanni, P. excelsa, P. mariana, P. parryana, P. rubra.
Pineus strobi Hartig. Annand, 1928a, p. 128; Mordvilko, 1935a, p. 319.
Picea excelsa, Pinus strobus, P. sylvestris.
Pineus sylvestris Annand. Annand, 1928a, p. 121.
Pinus radiata, P. sylvestris.

APHIDINAE (APHIDINI):
Amphorophora evansi Theobald. Mason, 1925a, p. 31; Theobald, 1926a, p. 194.
Austrian pine.
Amphorophora morrisoni Swain. Gillette, 1934a, p. 139; Mason, 1925a, p. 40.
Cupressus guadalupensis, C. macrocarpa, Sabina scopulorum.
Aphis abietaria Walker. Wilson, 1918a, p. 26.
Abies ?
Aphis incerta Walker. Wilson, 1918a, p. 259.
Juniperus communis.
Aphis indecisa Walker. Wilson, 1918a, p. 259.
Juniperus communis.
Aphis marginipennis Haldeman. Wilson, 1918a, p. 108.
Pinus echinata.
Aphis pilicornis Hartig. Wilson, 1918a, p. 128.
Picea abies.
Aphis tenuior Walker. Theobald, 1927a, p. 217.
Larix communis.

Cerosipha cupressi Swain. Swain, 1919a, p. 137.
Cupressus guadalupensis, C. macrocarpa.
Hyalopterus abietinus Matsumura. Matsumura, 1917b, p. 358.
Abies sachalinensis.
Macrosiphum sejunctum Walker. Theobald, 1926a, p. 364.
Larix cedrus.
Myzus laricellus Theobald. Theobald, 1926a, p. 307.
Larix europaeus.
Myzus piceaellus Theobald. Theobald, 1926a, p. 316.
Picea excelsa.
Neomyzaphis abietina Walker. Theobald, 1926a, p. 265; Wilson, 1915b, p. 84.
Picea alba, P. engelmanni, P. excelsa, P. gigantea, P. glehire, P. kosteriana, P. monstrae, P. morinda, P. nigra, P. omorica, P. orientalis, P. pungens, P. sitchensis.
Sanbornia juniperi Pergande. Baker, 1920a, p. 50.
Juniper.
Siphonatrophia gravida Knowlton. Gillette, 1932b, p. 493; Knowlton, 1928c, p. 60.
Juniperus virginiana, Sabina scopulorum.

APHIDINAE (CALLIPTERINI):
Chaitophorus coleoptis Shinji. Shinji, 1917d, p. 86.
Abies balsami.
Chaitophorus laricis Haliday. Baker, 1918a, p. 87.
Larix ("doubtful").
Neophyllaphis podocarpi Takahashi. Takahashi, 1924a, p. 71.
Podocarpus.
Pemphiglachnus kaibabensis Knowlton. Knowlton, 1928a, p. 264.
Picea pungens.
Tuberculatus kiowanica Hottes. Hottes, 1933a, p. 8.
Pinus edules.
Yamatocallis hirayamae Matsumura. Matsumura, 1917b, p. 353.
Abies sachalinensis.

APHIDINAE (LACHNINI):
Cinara apini Gillette and Palmer. Gillette, 1931a, p. 847.
Apinus flexilis.
Cinara ater (atra) Gillette and Palmer. Gillette, 1924a, p. 37, 1931a, p. 848.
Pinus edulis.
Cinara brevispinosa Gillette and Palmer. Gillette, 1931a, p. 849.
Pinus contorta.
Cinara carolina Tissot. Tissot, 1932a, p. 3.
Pinus taeda.
Cinara chamberlini Knowlton. Knowlton, 1935c, p. 140.
Pinus monticola.
Cinara coloradensis Gillette. Gillette, 1931a, p. 850; Knowlton, 1930a, p. 157.
Picea engelmanni, P. parryana, P. pungens.

Cinara curvipes Patch. Bartholomew, 1932a, p. 726; Gillette, 1931a, p. 851; Knowlton, 1930a, p. 158; Patch, 1912a, p. 161; Wilson, 1923a, p. 267.
Abies balsamea, A. concolor, A. lasiocarpa, A. nobilis, A. pinsapo.

Cinara difficilis Hottes and Frison. Hottes, 1931b, p. 155.
Juniperus virginiana.

Cinara edulis Wilson. Gillette, 1931a, p. 852.
Pinus edulis.

Cinara engelmanniensis Gillette and Palmer. Gillette, 1931a, p. 853.
Picea engelmanni.

Cinara flexilis Gillette and Palmer. Gillette, 1931a, p. 854.
Apinus flexilis.

Cinara formosana Takahashi. Takahashi, 1931a, p. 23.
Pinus luchuensis, P. massoniana, P. thunbergii.

Cinara fornacula Hottes. Gillette, 1931a, p. 854; Hottes, 1933a, p. 3.
Picea parryana, P. pungens.

Cinara glabra Gillette and Palmer. Gillette, 1924a, p. 35, 1931a, p. 855.
Pinus ponderosa, P. scopulorum.

Cinara glehna Essig. Gillette, 1931a, p. 856; Knowlton, 1930a, p. 157.
Picea glehni, P. parryana, P. pungens.

Cinara hottesi Gillette and Palmer. Gillette, 1931a, p. 857.
Picea engelmanni.

Cinara idahoensis Knowlton. Knowlton, 1935b, p. 283.
"Arborvitae?"

Cinara juniperensis Gillette and Palmer. Gillette, 1931a, p. 858.
Juniperus sibirica.

Cinara laricis Hartig. Hottes, 1931b, p. 156.
Larix laricina.

Cinara laricis Walker. Van der Goot, 1915a, p. 400; Hori, 1929b, p. 58; Hottes, 1931b, p. 155; Lambers, 1931c, p. 3; Swain, 1921a, p. 213; Takahashi, 1924a, p. 115; Theobald, 1929a, p. 138; Werder, 1931a, p. 79.
Larix decidua, L. europaeus, L. leptolassa, L. leptolepis, L. sibirica.

Cinara lasiocarpae Gillette and Palmer. Gillette, 1931a, p. 859; Hottes, 1933a, p. 4.
Abies lasiocarpa.

Cinara longispinosa Tissot. Tissot, 1932a, p. 5.
Pinus taeda.

Cinara maghrebica Mimeur. Mimeur, 1934a.
Pinus canariensis, P. halepensis.

Cinara medispinosa Gillette and Palmer. Gillette, 1931a, p. 860.
Pinus contorta.

Cinara murrayanae Gillette and Palmer. Gillette, 1931a, p. 861.
Pinus contorta.

Cinara occidentalis Davidson. Gillette, 1931a, p. 862; Glendenning, 1929b, p. 55; Palmer, 1926a, p. 308; Swain, 1919a, p. 48.
Abies amabilis, A. concolor, A. grandis, A. lasiocarpa.

Cinara oregonensis Wilson. Gillette, 1931a, p. 863.
Pinus contorta, P. ponderosa.

Cinara palmerae Gillette. Gillette, 1931a, p. 864.
Picea engelmanni, P. parryana.
Cinara pineti Koch. Blanchard, 1926a, p. 333; van der Goot, 1915a, p. 408; Del Guercio, 1907a, p. 346; Lambers, 1931c, p. 3.
Pinus austriaca, P. halepensis, P. insignis, P. maritima, P. pinea, P. sylvestris.
Cinara pini Linnaeus. Hottes, 1931b, p. 156; Theobald, 1929a, p. 147.
Larix decidua, Pinus cenbra, P. halepensis, P. ponderosa, P. scopulorum, P. sylvestris.
Cinara pinicola Kaltenbach. Del Guercio, 1907(1909)a, p. 334; Hottes, 1931b, p. 396; Theobald, 1929a, p. 131; Wilson, 1923a, p. 263.
Larix decidua, Picea canadensis, P. excelsa, Pinus mughus, P. sylvestris.
Cinara ponderosae Williams. Gillette, 1931a, p. 865.
Pinus ponderosa.
Cinara pseudotsugae Wilson. Gillette, 1931a, p. 866; Palmer, 1926a, p. 301; Wilson, 1912b, p. 302.
Pseudotsuga douglassi, P. taxifolia.
Cinara pulverulens Gillette and Palmer. Gillette, 1931a, p. 867.
Sabina scopulorum.
Cinara sabinae Gillette and Palmer. Gillette, 1931a, p. 868.
Sabina scopulorum.
Cinara schwarzii Wilson. Gillette, 1931a, p. 869.
Pinus ponderosa.
Cinara sibiricae Gillette and Palmer. Gillette, 1931a, p. 869; Knowlton, 1935d.
Juniperus communis, J. sibirica.
Cinara solitaria Gillette and Palmer. Gillette, 1931a, p. 871.
Pinus ponderosa.
Cinara splendens Gillette and Palmer. Gillette, 1931a, p. 872.
Pseudotsuga taxifolia.
Cinara strobi Fitch. Hottes, 1931b, p. 157; Patch, 1912a, p. 167; Wilson, 1923a, p. 267.
Pinus strobus.
Cinara taedae Tissot. Tissot, 1932a, p. 6.
Pinus taeda.
Cinara taxifoliae Swain. Gillette, 1931a, p. 873.
Pseudotsuga taxifolia.
Cinara terminalis Gillette and Palmer. Gillette, 1931a, p. 874.
Pinus edulis.
Cinara thujafolia Theobald. Hall, 1926a, p. 3; Okamoto, 1927a, p. 144; Takahashi, 1931a, p. 24.
Thuya orientalis.
Cinara vandykei Wilson. Gillette, 1931a, p. 875.
Picea engelmanni.
Cinara wanepae Hottes. Hottes, 1933a, p. 6.
Picea pungens.
Cinara zoarchbursara Knowlton. Knowlton, 1935c, p. 139.
Abies concolor.

Dilachnus atlanticus Wilson. Wilson, 1923a, p. 264.
Pinus.
Dilachnus gracilis Wilson. Wilson, 1923a, p. 264.
Pinus.
Dilachnus inoptis Wilson. Wilson, 1923a, p. 261.
Pinus inops.
Dilachnus orientalis Takahashi. Takahashi, 1925a, p. 39, 1931a, p. 23.
Pinus.
Dilachnus pergandei Wilson. Wilson, 1923a, p. 265.
Pinus.
Dilachnus piceae Walker. Cholodkovsky, 1898a, p. 655; van der Goot, 1915a, p. 402; Swain, 1921a, p. 225.
Abies picea, Picea excelsa.
Dilachnus pinidensiflorae Essig and Kuwana. Essig, 1918a, p. 99; Okamoto, 1927a, p. 144; Takahashi, 1923a, p. 167, 1931a, p. 24.
Pinus densiflora, P. massoniana, P. thunbergii.
Dilachnus pinihabitans Mordvilko. Cholodkovsky, 1898a, p. 638; Swain, 1921a, p. 227; Theobald, 1929a, p. 134.
Larix decidua, Picea excelsa, Pinus sylvestris.
Dilachnus pinivora Wilson. Wilson, 1923a, p. 267.
Pinus.
Dilachnus quercihabitans Takahashi. Okamoto, 1927a, p. 145.
Abies holophylla.
Dilachnus taeniatus Koch. Cholodkovsky, 1898a, p. 641; Del Guercio, 1907(1909)a, p. 339; Swain, 1921a, p. 228.
Pinus cembra, P. sylvestris.
Dilachnus taiwanus Takahashi. Takahashi, 1925a, p. 40, 1931a, p. 23.
Tsuga formosana.
Essigella californica Essig. Essig, 1912b, p. 773; Gillette, 1931a, p. 839; Patch, 1912a, p. 169; Wilson, 1919a, p. 1.
Pinus contorta, P. radiata, P. strobus, Pseudotsuga douglassi.
Essigella fusca Gillette and Palmer. Gillette, 1924a, p. 6.
Pinus ponderosa.
Essigella hoerneri Gillette and Palmer. Gillette, 1931a, p. 840.
Apinus flexilis, Pinus edulis, P. ponderosa.
Essigella pini Wilson. Gillette, 1931a, p. 841; Knowlton, 1930a, p. 158; Wilson, 1923a, p. 271.
Pinus contorta, P. scopulorum, P. strobus, P. virginiana.
Eulachnus abameleki Del Guercio. Del Guercio, 1907a, p. 346.
Pinus pinea, P. sylvestris.
Eulachnus agilis Kaltenbach. Cholodkovsky, 1898a, p. 646; Gillette, 1931a, p. 836; Del Guercio, 1907a, p. 346; Lambers, 1931c, p. 3; Theobald, 1929a, p. 125; Werder, 1931a, p. 78.
Pinus austriaca, P. halepensis, P. nigra, P. pinaster, P. sylvestris.
Eulachnus macchiatii Del Guercio. Del Guercio, 1907a, p. 346.
Abies pectinata.
Eulachnus mingazzinii Del Guercio. Del Guercio, 1907a, p. 346.
Pinus sylvestris.

Eulachnus nigrofasciatus Del Guercio. Del Guercio, 1907a, p. 346.
Pinus sylvestris.
Eulachnus piniformosanus Takahashi. Okamoto, 1927a, p. 144; Takahashi, 1931a, p. 25.
Pinus densiflora, P. luchuensis, P. massoniana, P. thunbergii.
Eulachnus rileyi Williams. Davis, 1914a, p. 173; Gillette, 1931a, p. 837; Hottes, 1931b, p. 157, 397; Takahashi, 1923a, p. 48.
Pinus austriaca, P. echinata, P. inops, P. massoniana, P. palustris, P. ponderosa, P. strobus, P. sylvestris.
Eulachnus thunbergii Wilson. Wilson, 1919a, p. 3.
Pinus thunbergii, Sciadopitys verticillata.
Eulachnus tuberculostemmata Theobald. Hall, 1926a, p. 2; Theobald, 1915a, p. 147.
Pinus.
Lachniella arizonica Wilson. Wilson, 1919b, p. 22.
Pinus.
Lachniella burrilli Wilson. Knowlton, 1930a, p. 158; Wilson, 1919b, p. 42.
Juniperus utahensis, Sabina scopulorum.
Lachniella caudelli Wilson. Wilson, 1919b, p. 43.
Spruce.
Lachniella costata Zetterstedt. Del Guercio, 1907a, p. 296; Schumacher, 1921a, p. 184; Swain, 1921a, p. 211.
Abies nigra, Pinus abies, P. sylvestris.
Lachniella juniperina Mordvilko. Cholodkovsky, 1898a, p. 667; Del Guercio, 1907a, p. 346.
Juniperus, Thuya occidentalis.
Lachniella juniperivora Wilson. Wilson, 1923a, p. 268.
Juniperus virginiana.
Lachniella juniperi signata Del Guercio. Del Guercio, 1907a, p. 346.
Thuya occidentalis.
Lachniella laricina Del Guercio. Del Guercio, 1907a, p. 345.
Larix europaea.
Lachniella montanensis Wilson. Wilson, 1919b, p. 45.
Pinus laricis.
Lachniella nigra Wilson. Wilson, 1919b, p. 41.
Pinus.
Lachniella nigrotuberculata Del Guercio. Del Guercio, 1907a (1909), p. 309.
Larix.
Lachniella oblonga Del Guercio. Del Guercio, 1907a, p. 345.
Pinus sylvestris.
Lachniella pacifica Wilson. Wilson, 1919b, p. 21.
Abies grandis.
Lachniella picta Del Guercio. Del Guercio, 1907a, p. 345.
Pinus sylvestris.
Lachniella tujae Del Guercio. Del Guercio, 1907a, p. 346.
Thuya occidentalis.
Lachniella tujafilina Del Guercio. Del Guercio, 1907a, p. 346.
Thuya occidentalis.

Lachnus abieticola Cholodkovsky. Wilson, 1918a, p. 26.
Abies sibirica, Picea.
Lachnus abietis Fitch. Thomas, 1879a, p. 117.
Abies nigra.
Lachnus australis Ashmead. Hunter, 1901a, p. 84; Tissot, 1932a, p. 3; Wilson, 1918a, p. 39.
Pinus australis, P. palustris, P. serotina.
Lachnus biotae van der Goot. Van der Goot, 1916a, p. 163.
Biota orientalis.
Lachnus bogdanowi Mordvilko. Cholodkovsky, 1898a, p. 650.
Picea.
Lachnus caricifex Cook. Cook, 1879a, p. 353.
Tamarack.
Lachnus confinis Koch. Cholodkovsky, 1898a, p. 667.
Juniperus.
Lachnus costatus Zetterstedt. Theobald, 1929a, p. 160.
Abies nigra, A. pectinata, Picea excelsa, P. mariana, Pinus strobus, P. sylvestris.
Lachnus farinosus Cholodkovsky. Cholodkovsky, 1898a, p. 649; van der Goot, 1915.
Picea.
Lachnus ferrisi Swain. Swain, 1919a, p. 47.
Abies concolor, Pinus.
Lachnus flavus Mordvilko. Cholodkovsky, 1898a, p. 650.
Picea.
Lachnus flocculosa Williams. Wilson, 1918a, p. 76.
Pinus ponderosa.
Lachnus greeni Schouteden. Schouteden, 1905a, p. 184.
Cryptomeria.
Lachnus grossus Kaltenbach. Cholodkovsky, 1898a, p. 657; Gillette, 1930a, p. 544.
Picea abies, P. excelsa.
Lachnus hyperophilus Koch. Wilson, 1918a, p. 91.
Pinus.
Lachnus neubergi Arnhart. Arnhart, 1930a.
Pinus montana.
Lachnus laricicolus Matsumura. Matsumura, 1917b, p. 381.
Larix leptolepis.
Lachnus laricifex Fitch. Cholodkovsky, 1898a, p. 667; Oestlund, 1887a, p. 31; 1922a, p. 118; Patch, 1912a, p. 164.
Larix.
Lachnus laricifoliae Wilson. Wilson, 1915a, p. 102.
Larix occidentalis.
Lachnus laricis Koch. Cholodkovsky, 1898a, p. 666.
Larix.
Lachnus longipennis Matsumura. Matsumura, 1917b, p. 355.
Abies sachalinensis.

Lachnus maculosus Cholodkovsky. Schouteden, 1906a, p. 204.
Larix decidua, Pinus sylvestris.
Lachnus muravensis Arnhardt. Arnhardt, 1927a.
Larix europaea.
Lachnus piceae Panzer. Oestlund, 1922a, p. 118.
Picea canadensis.
Lachnus piceicola Cholodkovsky. Schouteden, 1906a, p. 207; Zirnits, 1927a, p. 251.
Picea excelsa.
Lachnus pseudosabinae Nevsky. Nevsky, 1929b, p. 350.
Juniperus pseudosabina.
Lachnus roboris Linnaeus. Gillette, 1931a, p. 876; Theobald, 1929a, p. 113.
Picea excelsa, Pinus sylvestris.
Lachnus rubicundus Wilson. Wilson, 1918a, p. 149.
Juniperus communis.
Lachnus sabinae Nevsky. Nevsky, 1929a, p. 224.
Juniperus pseudosabina.
Lachnus sabinianus Swain. Swain, 1919a, p. 49.
Pinus sabiniana.
Lachnus taeniatoides Mordvilko. Wilson, 1918a, p. 165.
Pinus strobus.
Lachnus tomentosus DeGeer. Del Guercio, 1907a, p. 345; Gillette, 1917a, p. 140; Swain, 1921a, p. 212.
Pinus mughus, P. pinaster, P. radiata, P. scopulorum, P. sylvestris.
Neochmosis abietis Walker. Theobald, 1929a, p. 354.
Spruce.
Nippolachnus abietinus Matsumura. Matsumura, 1917b, p. 355.
Abies sachalinensis.
Panimerus cilicica Del Guercio. Del Guercio, 1907a, p. 345; Jackson, 1919a, p. 164; Theobald, 1929a, p. 144.
Abies cilicica, A. grandis, A. nobilis, A. pectinata, Cupressus, Pinus sylvestris.
Panimerus cupressi Buckton. Theobald, 1929a, p. 149.
Cupressus macrocarpus.
Panimerus hyalinus Koch. Van der Goot, 1915a, p. 395; Patch, 1912a, p. 156; Swain, 1921a, p. 213; Theobald, 1929a, p. 152; Zirnits, 1927a, p. 251.
Picea excelsa, Pinus austriaca, P. sylvestris.
Panimerus juniperi DeGeer. Blanchard, 1926a, p. 331; Cholodkovsky, 1898a, p. 667; Van der Goot, 1915a, p. 399; Del Guercio, 1907(1909)a, p. 346; Judenko, 1930a, p. 136; Nevsky, 1929b, p. 351; Swain, 1921a, p. 213; Theobald, 1929a, p. 151.
Biota aurea, Juniperus communis, J. virginiana, Thuya occidentalis.
Panimerus pichtae Mordvilko. Van der Goot, 1915a, p. 405; Jackson, 1919a, p. 164; Theobald, 1929a, p. 142.
Abies pectinata.
Panimerus vanduzei Swain. Orr, 1932a; Swain, 1919a, p. 50; Theobald, 1929a, p. 156.

Abies nordmanniana, A. pectinata, Picea alba, P. excelsa, P. orientalis, P. sitchensis.

Schizolachnus pineti Fabricius. Hottes, 1930b, p. 187; Theobald, 1929a, p. 163; Wilson, 1923a, p. 269.

Pinus austriaca, P. laricio, P. pinaster, P. pyrenaica, P. radiata, P. scopulorum, P. sylvestris.

Schizolachnus pini-radiatae Davidson. Gillette, 1931a, p. 843; Swain, 1919a, p. 48.

Pinus contorta, P. ponderosa, P. radiata, P. sabiniana.

Schizolachnus tomentosus DeGeer. Theobald, 1929a, p. 163.

Pinus austriaca, P. laricio, P. pinaster, P. pyrenaica, P. sylvestris.

Stomaphis longirostris Fabricius. Del Guercio, 1907(1909)a, p. 344.

Thuya occidentalis.

Stomaphis pini Takahashi. Takahashi, 1923a, p. 139.

Pinus densiflora.

Todolachnus abietis Matsumura. Matsumura, 1917b, p. 355.

Abies sachalinensis.

Unilachnus orientalis Takahashi. Takahashi, 1930d, p. 325, 1931a, p. 24.

Pinus luchuensis, P. massoniana.

Unilachnus parvus Wilson. Oestlund, 1922a, p. 119; Wilson, 1923a, p. 269.

Pinus.

APHIDINAE (THELAXINI):

Glyphina pilosa Buckton. Buckton, 1883a, p. 16.

Pinus sylvestris.

ERIOSOMATINAE:

Pachypapella piceae Hartig. Jackson, 1918a, p. 91; Theobald, 1929a, p. 243; Tullgren, 1909a, p. 141.

Larix, Picea orientalis, P. sitchensis, Pinus.

Pemphigus auriculae Murray. Theobald, 1929a, p. 264.

Spruce.

Pemphigus bursarius Linnaeus. Mordvilko, 1935a, p. 76.

Picea excelsa.

Pemphigus degeeri Kaltenbach. Kaltenbach, 1843a, p. 186.

Kiefer.

Prociphilus bumeliae Schrank. Gillette, 1934a, p. 230; Mordvilko, 1935a, p. 83.

Abies balsamea, A. pectinata, Pinus.

Prociphilus fraxini-dipetalae Essig. Glendenning, 1929b, p. 57; Swain, 1919a, p. 146; Wilson, 1915a, p. 85.

Pseudotsuga douglassi, P. taxifolia.

Prociphilus kuwani Monzen. Shinji, 1923a.

Larix.

Prociphilus nidificus Löw. Matsumura, 1917a, p. 88; Mordvilko, 1935a, p. 87; Tullgren, 1925a, p. 30.

Abies pectinata, Spruce.

Prociphilus oriens Mordvilko. Mordvilko, 1935a, p. 91.
Abies, Picea obovata.
Prociphilus ushikoroshi Shinji. Shinji, 1932a.
Larix.
Prociphilus venafuscus Patch. Maxson, 1923a, p. 323; Patch, 1912c, p. 448, 1918a, p. 45; Swain, 1919a, p. 146.
Abies balsamea; Pseudotsuga taxifolia.
Prociphilus xylostei DeGeer. Matsumura, 1917a, p. 88; Mordvilko, 1935a, p. 94; Tullgren, 1909a, p. 93.
Abies, Picea excelsa, P. obovata, Pinus koraiensis.
Schizoneura costata Hartig. Wilson, 1918a, p. 63.
Abies, Pinus.
Schizoneura stigma Curtis. Wilson, 1918a, p. 163.
"Fir trees?"
Tycheoides eragrostidis Passerini. Theobald, 1929a, p. 182.
Pinus sylvestris.

MINDARINAE:
Mindarus abietinus Koch. Gillette, 1934a, p. 243; van der Goot, 1915a, p. 440; Hori, 1929b, p. 58; Hottes, 1931b, p. 397; Knowlton, 1928a, p. 265; Matsumura, 1917a, p. 48; Nusslin, 1910a, p. 408; Patch, 1910a, p. 244; Tullgren, 1909a, p. 61.
Abies balsamea, A. concolor, A. lasiocarpa, A. nordmanniana, A. pectinata, A. sibirica, Picea abies, P. canadensis, P. parryana, Pinus densiflora, P. strobus, P. thunbergii.
Mindarus japonicus Takahashi. Takahashi, 1931b, p. 137.
Abies.

PHYLLAPHIDEA:
Pemphiglachnus kaibabensis Knowlton. Knowlton, 1928a, p. 264.
Picea pungens.

RHIZOBIUS:
Rhizobius pini Burmeister. Wilson, 1918a, p. 130.
Pinus sylvestris.
Rhizobius subterraneus Kaltenbach. Wilson, 1918a, p. 164.
Tsuga canadensis.
Rhizobius viridis Theobald. Wilson, 1918a, p. 178.
Picea sitchensis.

GNETACEAE

GNETUM FAMILY

Anuraphis ephedrae Nevsky. Nevsky, 1929a, p. 217.
Ephedra foliata.
Pergandeidia tamaricifoliae Hall. Hall, 1926a, p. 32.
Ephedra.

TYPHACEAE

CAT-TAIL FAMILY

Aphis avenae Fabricius. Davis, 1914c, p. 6.
Typha latifolia.
Aphis gossypii Glover. Claassen, 1921a, p. 501.
Typha latifolia.
Aphis maidis Fitch. Wildermuth, 1932a, p. 7.
Typha latifolia.
Aphis viburnicola Börner. Börner, 1921a.
Typha latifolia.
Hyalopterus arundinis Fabricius. Swain, 1919a, p. 176.
Typha.
Macrosiphum granarium Kirby. Swain, 1919a, p. 176.
Typha.
Myzus persicae Sulzer. Wilson, 1918a, p. 126.
Typha.
Rhopalosiphum enigmae Hottes and Frison. Gillette, 1932b, p. 483; Hottes, 1931b, p. 237.
Typha latifolia.
Rhopalosiphum nymphaeae Linnaeus. Essig, 1912b, p. 797; Patch, 1915c, p. 164; Theobald, 1927a, p. 64.
Typha latifolia, T. major.
Toxoptera typhae Laing. Laing, 1923a, p. 241; Theobald, 1927a, p. 324.
Typha latifolia.

PANDANACEAE

SCREW-PINE FAMILY

Cerataphis freycinetiae van der Goot. Van der Goot, 1916a, p. 168.
Freycinetia.

SPARGANIACEAE

BUR-REED FAMILY

Hyadaphis sparganii Theobald. Theobald, 1925a, p. 75, 1927a, p. 56.
Sparganium ramosum, S. simplex.
Rhopalosiphum nymphaeae Linnaeus. Theobald, 1927a, p. 64.
Sparganium ramosum.

NAJADACEAE

PONDWEED FAMILY

Rhopalosiphum nymphaeae Linnaeus. Davidson, 1917a, p. 350; Ogilvie, 1928a, p. 23; Theobald, 1927a, p. 64; Williams, 1910a, p. 155.
Najas flexilis, Potamogeton natans, Ruppia maritima.

JUNCAGINACEAE

ARROW GRASS FAMILY

Aphis palustris Theobald. Theobald, 1929a, p. 344.
Triglochin palustre.
Aphis triglochinis Theobald. Theobald, 1927a, p. 196.
Triglochin maritimum.
Macrosiphoniella triglochiniella Theobald. Theobald, 1929a, p. 327.
Triglochin maritimum.
Macrosiphum nasonovi Mordvilko. Zirnits, 1930b, p. 50.
Scheuchzeria palustris.

ALISMACEAE

WATER-PLANTAIN FAMILY

Aphis abbreviata Patch. Patch, 1924a, p. 35.
Alisma plantago-aquatica, Sagittaria latifolia.
Aphis gossypii Glover. Patch, 1925b, p. 188.
Sagittaria latifolia.
Myzus circumflexus Buckton. Theobald, 1926a, p. 333.
Alisma.
Myzus pseudosolani Theobald. Patch, 1928a, p. 54.
Alisma plantago-aquatica, Sagittaria latifolia.
Rhopalosiphum nymphaeae Linnaeus. Davis, 1910a, p. 245; Gaumont, 1929a, p. 275; Hori, 1929b, p. 16; Takahashi, 1931a, p. 52; Theobald, 1927a, p. 64; Werder, 1931a, p. 78.
Alisma plantago, Butomus umbellatus, Hydrocleis nymphoides, Sagittaria latifolia, S. sagittifolia, S. trifolia.
Sipha glyceriae Kaltenbach. Wilson, 1918a, p. 84.
Sagittaria sagittifolia.

HYDROCHARITACEAE

FROG'S BIT FAMILY

Rhopalosiphum nymphaeae Linnaeus. Davis, 1910a, p. 245; Theobald, 1915a, p. 111, 1927a, p. 64.
Elodea canadensis, Hydrocharis morsus-ranae, Stratiotes.

GRAMINEAE

GRASS FAMILY

APHIDINAE (APHIDINI):
Acyrthosiphon graminearum Mordvilko. Mordvilko, 1921a, p. 43.
Gramineae.
Acyrthosiphon pamiricum Nevsky. Nevsky, 1929b, p. 397.
Gramineae.

Amphorophora lonicerae Siebold. Mordvilko, 1921a, p. 44.
Glyceria fluitans, Phalaris arundinacea.

Amphorophora nebulosa Hottes and Frison. Hottes, 1931b, p. 276.
Poa.

Amphorophora singularis Hottes and Frison. Hottes, 1931a, p. 280.
Grass.

Amphorophora subterrans Wilson. Wilson, 1915a, p. 99.
Dactylis glomerata.

Amphorophora triticum Theobald. Theobald, 1926a, p. 208.
Wheat.

Anuraphis arundinariae Tissot. Tissot, 1933a, p. 52.
Arundinaria tecta.

Anuraphis poae Del Guercio. Del Guercio, 1917a, p. 233.
Poa annua.

Anuraphis viburnicola Gillette. Cutright, 1925a, p. 193.
Grasses.

Aphis abbreviata Patch. Patch, 1924a, p. 35.
Agropyron repens.

Aphis africana Theobald. Blanchard, 1923a, p. 27; Hall, 1926a, p. 13.
Arundo, Avena sativa.

Aphis alienus Theobald. Theobald, 1927a, p. 191.
Gramineae.

Aphis avenae Fabricius. Davis, 1914c, p. 6; George, 1925a; Hori, 1926a; Judenko, 1930a, p. 136; Mordvilko, 1924d; Nevsky, 1929b, p. 76; Patch, 1912b, p. 191–204; Werder, 1931a, p. 79; Wilson 1918a, p. 40.
Agrostis alba, Andropogon sorghum, Arrhenatherum elatius, Avena fatua, A. orientalis, A. sativa, A. sterilis, A. strigosa, Bromus hordeaceous, B. inermis, B. racemosus, B. secalinus, B. unioloides, Dactylis glomerata, Digitaria sanguinalis, Eleusine coracana, Elymus canadensis, E. geniculatus, E. virginicus, Euchlaena mexicana, Festuca elatior, F. ovina, F. rubra, Glyceria fluitans, Holcus lanatus, Hordeum avenae, H. distichon, H. hexastichon, H. jubatum, H. murinum, H. sativum, H. vulgare, Koeleria cristata, Lolium multiflorum, L. perenne, Melica baulini, M. penicillaris, Oryza sativa, Panicum crusgalli, P. miliaceum, P. sanguinale, Phalaris arundinacea, Phleum pratense, Poa annua, P. compressa, P. pratensis, P. trivialis, Secale cereale, Setaria glauca, S. italica, S. viridis, Sorghum halepense, S. saccharatum, S. vulgare, Triticum aestivum, T. dicoccum, T. durum, T. sativum, T. vulgare, Zea mays.

Aphis bambusae Fullaway. Fullaway, 1910a, p. 36; van der Goot, 1918a, p. 113; Takahashi, 1931a, p. 43.
Arundinaria, Bambusa nana, Phragmites karka, Phyllostachys?.

Aphis cerasifoliae Fitch. Quaintance, 1920a, p. 23.
Grains and Grasses.

Aphis donacis Passerini. Ferrari, 1872a, p. 72.
Arundo donax.

Aphis fabae Scopoli. Judenko, 1930a, p. 139.
Zea mays.

Aphis formosanus Takahashi. Takahashi, 1923a, p. 107.
Sorghum vulgare, Zea mays.

Aphis gossypii Glover. Theobald, 1915a, p. 153, 1927a, p. 144.
Avena fatua, Maize.

Aphis holci Ferrari. Ferrari, 1872a, p. 63.
Holcus mollis.

Aphis hordei Del Guercio. Del Guercio, 1913c, p. 205.
Hordeum murinum.

Aphis laburni Kaltenbach. Ferrari, 1872a, p. 71.
Spartina juncea.

Aphis littoralis Walker. Wilson, 1918a, p. 103.
Gramineae.

Aphis maidi-radicis Forbes. Davis, 1917a, p. 5; Hottes, 1931b, p. 205; Sweetman, 1928a, p. 595; Vickery, 1910a, p. 102–104.
Avena sativa, Digitaria sanguinalis, Echinochloa crusgalli, Leptochloa filiformis, Panicum capillare, Setaria glauca, S. viridis, Zea mays.

Aphis maidis Fitch. Davis, 1909b, p. 145; Gillette, 1932b, p. 416; van der Goot, 1916a, p. 69, 285; Hall, 1926a, p. 22; Jones, 1929a, p. 36; Krishnamurthy, 1928a, p. 211–215; Okamoto, 1927a, p. 138; Wildermuth, 1932a, p. 6; Willcocks, 1925a, p. 113.
Andropogon halepensis, Arundo donax, Avena sativa, Axonopus scoparius, Cenchrus echinatus, Cynodon dactylon, Dactyloctenium aegyptium, Digitaria chinensis, D. debilis, D. horizontalis, D. pruriens, D. sanguinalis, Echinochloa colonum, E. crusgalli, Elusine coracana, E. indica, Eragrostis pilosa, Eriochloa polystachya, E. punctata, Holcus sorghum, Hordeum murinum, H. vulgare, Leptochloa virgata, Miscanthus sinensis, Muhlenbergia mexicana, Panicum barbinode, P. capillare, P. colore, P. crusgalli, P. dichotomiflorum, P. miliaceum, P. proliferum, P. sanguinale, Paspalum boscianum, P. conjugatum, P. fimbriatum, P. virgatum, Pennisetum glaucum, Phragmites communis, Poa pratensis, Polytrias diversiflora, Rottboellia exaltata, R. glandulosa, Saccharum narenga, S. officinarum, Secale cereale, Setaria aurea, S. glauca, S. italica, S. lutescens, S. viridis, Sorghum dora, S. halepense, S. vulgare, Sporobolus virginicus, Tripsacum laxum, Triticum aestivum, Zea mays, Z. saccharina.

Aphis medicaginis Koch. Gillette, 1932b, p. 417.
Triticum vulgare.

Aphis middletonii Thomas. Gillette, 1932b, p. 419.
Zea mays.

Aphis miscanthi Takahashi. Takahashi, 1924a, p. 45.
Miscanthus, Saccharum officinarum.

Aphis papaveris Fabricius. Del Guercio, 1917a, p. 231.
Gramineae.

Aphis poae Hardy. Wilson, 1918a, p. 132.
Poa.

Aphis pseudoavenae Patch. Patch, 1917b, p. 295; Quaintance, 1920a, p. 23.
Barley, Fesque, Kentucky bluegrass, Oats, Redtop, Timothy.

Aphis sacchari Zehntner. Fullaway, 1910a, p. 35; van der Goot, 1916a, p. 118; Takahashi, 1927a, p. 17, 1931a, p. 43.
Miscanthus japonicus, Saccharum officinarum, Sorghum vulgare, Zea mays.

Aphis setariae Thomas. Davis, 1919a, p. 228; Gillette, 1908a, p. 42, 1932b, p. 445; Hottes, 1931b, p. 234; Jones, 1929a, p. 47.
Cynodon dactylon, Echinochloa crusgalli, Eragrostis, Panicum capillare, P. proliferum, Paspalum dilatatum, Poa, Setaria glauca, S. viridis, Sorghastrum nutans, Sorghum vulgare, Zea mays.

Aphis sorghella Schouteden. Schouteden, 1906c, p. 135.
Sorghum.

Aphis sorghi Theobald. Hall, 1926a, p. 22.
Sorghum.

Aphis splendens Theobald. Hall, 1926a, p. 26; Willcocks, 1925a, p. 116.
Arundo, Cynodon dactylon, Hordeum, Orobanche, Oryza sativa, Triticum.

Aphis vulpiae Del Guercio. Del Guercio, 1913c, p. 209.
Vulpia.

Aphis zeae Bonafous. Wildermuth, 1932a, p. 2; Wilson, 1918a, p. 180.
Zea mays.

Aphis zeae Curtis. Wilson, 1918a, p. 180.
Zea mays.

Brachycolus gramini Takahashi. Takahashi, 1923a, p. 43.
Leersia hexandra.

Brachycolus holci Hardy. Theobald, 1927a, p. 317.
Holcus lanatus, H. mollis.

Brachycolus korotnevi Mordvilko. Cholodkovsky, 1910b, p. 147; Mordvilko, 1901a, p. 350.
Hordeum, Lolium, Triticum.

Brachycolus noxius Mordvilko. Grossheim, 1914a; Mordvilko, 1921a, p. 45; Nevsky, 1929b, p. 218.
Hordeum vulgare, Triticum vulgare.

Brachycolus slavae Mordvilko. Mordvilko, 1921a, p. 46.
Dactylus glomerata.

Brachycolus stellariae Hardy. Hardy quoted by Theobald, 1927a, p. 315.
Holcus mollis.

Brachycolus tritici Gillette. Gillette, 1911a, p. 442; Mordvilko, 1921a, p. 46; Parker, 1916a, p. 184.
Agropyron glaucum, A. occidentale, Bromus secalinus, Phleum pratense, Stipa comata, Wheat.

Geoktapia areshensis Mordvilko. Mordvilko, 1921a, p. 53.
Gramineae.

Hyalopterus arundinis Fabricius. Swain, 1919a, p. 130; Theobald, 1927a, p. 22.
Arundo donax, A. epigyros, A. phragmites, Calamagrostis arenarius, Phlaris arundinacea, Phragmites communis, P. kiski, Poa annua.

Hyalopterus dactylidis Hayhurst. Hayhurst, 1909a, p. 107; Mordvilko, 1921a, p. 45.
Dactylis glomerata.

Hyalopterus insignis Theobald. Hall, 1926a, p. 30.
Arundo donax.

Hyalopterus obscurus Theobald. Hall, 1926a, p. 30.
Andropogon.

Hyalopterus pruni Geoffroy. Hall, 1926a, p. 31; Hottes, 1931b, p. 232.
Arundo donax, Phragmites communis.

Macrosiphum alopecuri Takahashi. Takahashi, 1924a, p. 19.
Alopecurus aequalis.

Macrosiphum caianense Del Guercio. Wilson, 1918a, p. 47.
Sorghum saccharatum.

Macrosiphum dirhodum Walker. Knowlton, 1928d, p. 81; Nevsky, 1929b, p. 394, 398; Theobald, 1913b, 1926a, p. 137; Walker, 1849a, p. 43; Wilson, 1918a, p. 69.
Avena sativa, A. strigosa, Bromus hordeaceous, Dactylis glomerata, Glyceria fluitans, Holcus, Hordeum murinum, Oryza sativa, Phalaris, Poa, Secale cereale, Triticum sativum.

Macrosiphum eleusines Theobald. Theobald, 1929c, p. 177.
Eleusine coracana.

Macrosiphum gei Koch. Theobald, 1926a, p. 111.
Zea mays.

Macrosiphum graminum Theobald. Theobald, 1926a, p. 138.
Meadow Fox Tail, Timothy.

Macrosiphum granarium Kirby. Das, 1918a, p. 270; Essig, 1917a, p. 328; Gillette, 1934a, p. 183; van der Goot, 1916a, p. 14; Hall, 1926a, p. 38; Hori, 1929b, p. 46, 56, 64; Okamoto, 1927a, p. 131; Takahashi, 1923a, p. 74, 1931a, p. 59; Theobald, 1926a, p. 73–74; Werder, 1931a, p. 79; Wilson, 1918a, p. 86; Zirnits, 1927a, p. 204.
Agrostis alba, A. vulgaris, Alopecurus aequalis, A. pratensis, Ampelodesma tenax, Andropogon sorghum, Avena fatua, A. sativa, A. strigosa, Bromus hordaceous, B. mollis, B. seculinus, Chaetochloa glauca, Cynodon dactylon, Cynosurus cristatus, Dactylis glomerata, Echinochloa crusgalli, Eleusine indica, Elymus canadensis, E. virginicus, Eragrostis megastachya, Festuca duriuscula, F. heterophylla, F. pratensis, F. tectorum, Glyceria fluitans, Holcus mollis, Hordeum jubatum, H. murinum, H. pusillum, H. sativum, H. vulgare, Lolium multiflorum, Miscanthus, Oryza sativa, Panicum sanguinale, Paspalum, Phleum pratense, Poa aquatica, P. compressa, P. pratensis, Secale cereale, S. glauca, S. italica, Syntherisma sanguinale, Triticum sativum, T. vulgare, Zea mays.

Macrosiphum leptadeniae Vuillet. Vuillet, 1914a.
Sorghum.

Macrosiphum poae Macchiati. Wilson, 1918a, p. 132.
Bromus sterilis, Poa annua.

Macrosiphum smilacifoliae Takahashi. Takahashi, 1931a, p. 59.
Miscanthus.

Macrosiphum solanifolii Ashmead. Patch, 1921a, p. 327.
Zea mays.
Melanaphis bambusae Kirkaldy. Van der Goot, 1916a, p. 64.
Bambusa nana.
Myzus arthraxonis Takahashi. Takahashi, 1923a, p. 83.
Arthraxon ciliaris.
Myzus circumflexus Buckton. Nevsky, 1929b, p. 402; Swain, 1919a, p. 159; Theobald, 1926a, p. 333.
Alopecurus, Avena, Hordeum, Triticum vulgare.
Myzus festucae Theobald. Theobald, 1926a, p. 336.
Barley, Festuca, Oats, Wheat.
Myzus longipennis Buckton. Theobald, 1926a, p. 356.
Poa annua.
Myzus morisoni Laing. Theobald, 1929a, p. 336.
Dactylis glomerata.
Myzus persicae Sulzer. Britton, 1933a, p. 82; Gillette, 1908a, p. 35; Hall, 1926a, p. 42; Hottes, 1931b.
Hordeum, Poa, Secale cereale, Setaria viridis, Triticum sativum, T. vulgare, Zea.
Myzus solani Kaltenbach. Bartholomew, 1932a, p. 727.
Grass.
Rhopalosiphum davisi Mordvilko. Mordvilko, 1921a, p. 44.
Dactylis glomerata, Elymus canadensis, E. virginicus.
Rhopalosiphum lonicerae Siebold. Mordvilko, 1928c, p. 578.
Phalaris.
Rhopalosiphum nymphaeae Linnaeus. Gillette, 1932b, p. 480; Nevsky, 1929b, p. 210.
Homalocenchrus oryzoides, Oryza sativa.
Rhopalosiphum poae Gillette. Gillette, 1908b, p. 61; Hottes, 1931b, p. 290.
Poa pratensis.
Rhopalosiphum prunifoliae Fitch. Baker, 1919b, p. 311; Hori, 1929b, p. 56, 127–128; Theobald, 1927a, p. 75.
Agrostis alba, Andropogon sorghum, Avena sativa, Dactylis glomerata, Eleusine coracana, Hordeum vulgare, Oryza sativa, Panicum crus-galli, P. miliaceum, P. sanguinale, Phleum pratense, Poa pratensis, Secale cereale, Setaria italica, S. viridis, Triticum aestivum, Zea mays.
Rhopalosiphum rhois Monell. Gillette, 1932b, p. 488; Swain, 1919a, p. 86.
Avena sativa, Echinochloa crusgalli, Elymus canadensis, Hordeum vulgare, Phleum pratense, Stipa, Triticum aestivum.
Semiaphis montana van der Goot. Van der Goot, 1916a, p. 119.
Grass.
Siphocoryne aquatica Gillette and Bragg. Gillette, 1916a, p. 447.
Catabrosa aquatica.
Siphonaphis padi Linnaeus. Mordvilko, 1935a, p. 303–304; Zirnits, 1927a, p. 246.
Avena sativa, Bromus, Elymus, Panicum miliaceum, Poa, Zea mays.

Stenaphis monticellii Del Guercio. Wilson, 1918a, p. 111.
Arundo donax, Phragmites communis.

Toxoptera graminum Rondani. Gillette, 1934a, p. 183; Hall, 1926a, p. 34; Hunter, 1909a, p. 4; Nevsky, 1929b, p. 206; Theobald, 1927a, p. 323; Webster, 1912a, p. 43; Willcocks, 1925a, p. 110.
Agropyron occidentale, A. repens, A. tenerum, Agrostis, Alopecurus geniculatus, Andropogon cernuus, A. effusum, A. halepensis, A. hirtus, Avena barbata, A. elatior, A. fatua, A. sativa, Bromus commutatus, B. erectus, B. inermis, B. maximus, B. mollis, B. porteri, B. secalinus, B. tectorum, B. unioloides, Capriola dactylon, Chaetochloa italica, C. viridis, Cynodon, Dactylis glomerata, Distichlis spicata, Echinochloa crusgalli, Eleusine indica, Elymus canadensis, E. striatus, E. virginicus, Eragrostis megastachya, E. pilosa, Festuca duriuscula, F. elatior, F. heterophylla, F. ovina, F. rubra, Holcus halepensis, Hordeum caespitosum, H. jubatum, H. murinum, H. nodosum, H. pusillum, H. vulgare, Lolium multiflorum, L. perenne, Oryza sativa, Panicum miliaceum, Poa annua, P. compressa, P. pratensis, Polypogon monspeliensis, Sorghum, Sporobolus neglectus, Stipa leucotricha, S. viridula, Triticum aestivum, T. villosum, Zea mays.

Toxoptera jaroslavi Mordvilko. Mordvilko, 1921a, p. 48.
Calamagrostis.

Toxoptera muhlenbergiae Phillips and Davis. Phillips, 1912a, p. 9.
Muhlenbergia, Poa pratensis.

Toxoptera nigerrima Lambers. Lambers, 1931f, p. 181.
Triticum repens.

Xerophilaphis plotnikovi Nevsky. Nevsky, 1928b, p. 13.
Grasses.

Yezabura sasae Matsumura. Matsumura, 1917b, p. 393.
Sasa paniculata.

Yezaphis sasicola Matsumura. Matsumura, 1917b, p. 363.
Sasa paniculata.

APHIDINAE (CALLIPTERINI):

Atheroides brevicornis Laing. Laing, 1920a, p. 42; Theobald, 1929a, p. 34.
Poa maritima.

Atheroides hirtellus Haliday. Laing, 1920a, p. 43; Theobald, 1929a, p. 32.
Aira caespitosa.

Atheroides serrulatus Haliday. Laing, 1920a, p. 41; Theobald, 1929a, p. 29.
Poa trivialis.

Chaitophorus salicivorus Walker. Ferrari, 1872a, p. 76; Theobald, 1929a, p. 18.
Avena fatua, Dactylis glomerata.

Iziphya maculata Nevsky. Gillette, 1931a, p. 907; Nevsky, 1929b, p. 316.
Cynodon dactylon.

Laingia elegans Del Guercio. Lambers, 1931c, p. 4.
Triticum repens.

Laingia maydis Passerini. Lambers, 1931c, p. 4.
Cynodon dactylon, Setaria viridis.

Laingia psammae Theobald. Theobald, 1922a, p. 429, 1929a, p. 48.
Alopecurus pratensis, Dactylis glomerata, Psamma arenaria, Triticum aestivum.

Myzocallis arundicolens Clarke. Essig, 1917a, p. 310; Takahashi, 1926a, p. 159; Theobald, 1927a, p. 342.
Arundinaria, Arundo donax, Bambusa, Phyllostachys, Sasa paniculata.

Myzocallis arundinariae Essig. Essig, 1917a, p. 305; Takahashi, 1926a, p. 159; Theobald, 1927a, p. 344.
Arundinaria japonica, Arundo donax, Bambusa.

Myzocallis bambusicola Takahashi. Takahashi, 1926a, p. 162.
Bambusa, Dendrocalamus.

Myzocallis bambusifoliae Takahashi. Takahashi, 1926a, p. 160, 1931a, p. 84.
Bambusa.

Myzocallis formosanus Takahashi. Takahashi, 1926a, p. 160.
Arundinaria.

Myzocallis saccharinus Del Guercio. Del Guercio, 1913c, p. 210.
Saggina.

Myzocallis sasae Matsumura. Matsumura, 1917b, p. 373; Takahashi, 1926a, p. 160.
Bambusa, Sasa paniculata.

Myzocallis taiwanus Takahashi. Takahashi, 1926a, p. 160.
Bambusa.

Phyllaphoides bambusicola Takahashi. Takahashi, 1923a, p. 158, 159, 1931a, p. 80.
Bambusa, Phyllostachys makinoi.

Saltusaphis ornatus Theobald. Theobald, 1927c, p. 31.
Oats.

Sipha agropyronensis Gillette. Gillette, 1911a, p. 443; Mordvilko, 1921a, p. 55.
Agropyron glaucum.

Sipha arenarii Mordvilko. Mordvilko, 1921a, p. 57.
Gramineae.

Sipha berlesei Del Guercio. Mordvilko, 1921a, p. 57; Theobald, 1918a, p. 28.
Aira caryophyllea, Deschampsia flexuosa.

Sipha flava Forbes. Davis, 1909b, p. 157; Hottes, 1931b, p. 394; Mason, 1921a, p. 23, 24; Mordvilko, 1921a, p. 55; Wolcott, 1921a, p. 33.
Andropogon, Anthephora, Avena, Cenchrus, Chaetochloa, Eleusine, Eragrostis, Eulalia, Holcus, Melinis, Panicum, Paspalum, Pennisetum, Phleum, Poa, Saccharum, Setaria, Sorghastrum, Sorghum, Syntherisma, Tricholaena, Triticum, Zea.

Sipha glyceriae Kaltenbach. Van der Goot, 1915a, p. 383; Zirnits, 1927a, p. 251.
Agrostis, Alopecurus, Dactylis, Elymus, Festuca, Glyceria, Leersia, Oryza, Phalaris, Phleum, Poa, Triticum.

Sipha kurdjumovi Mordvilko. Mordvilko, 1921a, p. 56; Nevsky, 1929b, p. 342.
Hordeum vulgare.

Sipha littoralis Walker. Theobald, 1929a, p. 3, 8.
Glyceria maritima, Gramineae.

Sipha maydis Passerini. Ferrari, 1872a, p. 78; Del Guercio, 1904b, p. 147; Judenko, 1930a, p. 137; Lambers, 1931c, p. 4; Nevsky, 1929b, p. 342, 402; Theobald, 1918a, p. 28.
Andropogon effusum, Avena sativa, Cynodon dactylon, Holcus, Hordeum murinum, Lolium multiflorum, L. perenne, Phleum alpinum, Setaria viridis, Sorghum, Triticum dicoccum, T. vulgare, Zea mays.

Sipha schoutedeni Del Guercio. Theobald, 1929a, p. 5.
Aira, Glyceria fluitans, G. maritima, Holcus mollis, Phalaris arundinacea, Poa annua/ P. aquatica.

Sipha tshernavini Mordvilko. Mordvilko, 1921a, p. 57.
Gramineae.

Sipha uvarovi Mordvilko. Mordvilko, 1921a, p. 56.
Gramineae.

Takecallis bambusae Matsumura. Matsumura, 1917b, p. 374.
Sasa paniculata.

Therioaphis tectae Tissot. Tissot, 1932a, p. 2.
Arundinaria tecta.

Thripsaphis ballii Gillette. Baker, 1923a, p. 290.
Grasses.

Thripsaphis cyperi Walker. Theobald, 1929a, p. 71.
Aira caespitosa.

APHIDINAE (LACHNINI):

Anoecia corni Fabricius. Cutright, 1925a, p. 185; van der Goot, 1915a, p. 511; Hori, 1929b, p. 155; Matsumura, 1917a, p. 45; Mordvilko, 1924d, 1935a, p. 287, 289; Nevsky, 1929b, p. 349, 393, 401; Theobald, 1929a, p. 87; Tullgren, 1925a, p. 42; Werder, 1931a, p. 79; Wilson, 1918a, p. 61.
Agropyron intermedium, A. repens, Agrostis alba, Andropogon furcatus, A. halepensis, Avena sativa, A. strigosa, Bromus hordeaceous, B. sterilis, B. unioloides, Dactylis glomerata, Digitaria humifusus, D. sanguinalis, Echinochloa crusgalli, Elymus, Eragrostis major, E. megastachya, E. pectinacea, Festuca ovina-duriuscula, Holcus lanatus, Hordeum jubatum, H. sativum, Lolium, Muhlenbergia racemosa, Oryza sativa, Panicum capillare, P. dichotomiflorum, P. proliferum, P. sanguinale, Phleum pratense, Setaria glauca, S. italica, S. viridis, Sorghum vulgare, Spartina cynosuroides, Triticum sativum, T. vulgare, Zea mays.

Anoecia cornicola Walsh. Mordvilko, 1935a, p. 297; Wilson, 1918a, p. 62.
Digitaria humifusa, Gramineae.

Anoecia graminis Gillette and Palmer. Gillette, 1931a, p. 833; Mordvilko, 1935a, p. 298.
Hordeum.

Anoecia pskovica Mordvilko. Mordvilko, 1921a, p. 61.
Gramineae.

Anoecia querci Fitch. Baker, 1916g, p. 359, 363; Cutright, 1925a, p. 188; Gillette, 1931a, p. 834; Hottes, 1931b, p. 152.
Andropogon scoparius, Digitaria sanguinalis, Eleusine indica, Muhlenbergia mexicana, Panicum capillare, P. glabrum, P. virgatum, Phleum pratense, Poa pratensis, Setaria glauca, S. viridis, Sorghum halepense, Zea mays.

Anoecia setariae Gillette and Palmer. Gillette, 1931a, p. 835.
Setaria.

Anoecia vagans Koch. Lambers, 1931d, p. 6.
Cynodon dactylon.

Anoecia viridis Börner. Mordvilko, 1931a, p. 875.
Agropyron intermedium.

Anoecia zirnitsi Mordvilko. Mordvilko, 1931b, p. 1314, 1935a, p. 292.
Gramineae.

Lachnus padi Hartig. Wilson, 1918a, p. 120.
Alopecurus pratensis.

ERIOSOMATINAE:

Aploneura ampelina Mokrzecky. Mordvilko, 1935a, p. 223.
Bromus, Cynodon dactylon.

Aploneura lentisci Passerini. Laing, 1927a; Mordvilko, 1935a, p. 219; Theobald, 1929a, p. 215; Wilson, 1918a, p. 101.
Agrostis, Anthoxanthum, Bromus hordeaceus, B. mollis, B. sterilis, Dactylis, Hordeum murinum, H. vulgare, Poa.

Asiphonella dactylonii Theobald. Willcocks, 1925a, p. 128.
Cynodon dactylon.

Colopha compressa Koch. Mordvilko, 1935a, p. 112.
Eragrostis, Poa.

Colopha rossica Cholodkovsky. Wilson, 1918a, p. 148.
Triticum vulgare.

Colopha ulmicola Fitch. Patch, 1910b, p. 205.
Eragrostis, Panicum.

Dryopeia bella Koch. Wilson, 1918a, p. 41.
Avena, Bromus, Hordeum, Panicum, Setaria, Triticum, Zea.

Dryopeia morrisoni Baker. Baker, 1919d, p. 104; Mordvilko, 1935a, p. 116.
Phyllostachys.

Dryopeia pellucida Buckton. Buckton, 1883a, p. 92.
Poa annua.

Dryopeia rorea Koch. Schouteden, 1906a, p. 193; Theobald, 1929a, p. 302; Wilson, 1918a, p. 147.
Puccinellia distans.

Forda flavula Rohwer. Rohwer, 1908a, p. 68.
Grass.

Forda follicularia Passerini. Mordvilko, 1935a, p. 159.
Agropyron, Bromus, Hordeum, Triticum.

Forda formicaria Heyden. Gillette, 1918c, p. 283; Mordvilko, 1927a, p. 296, 1928b, p. 1071, 1935a, p. 150; Theobald, 1917a, p. 81, 1929a, p. 172.
Agropyron repens, Agrostis, Bromus, Cynodon, Dactylis glomerata, D. mollis, Deschampsia, Elymus, Festuca, Holcus, Hordeum, Lolium, Melica bulbosa, Phleum alpinum, Poa pratensis, Secale, Triticum repens.

Forda hirsuta Mordvilko. Mordvilko, 1935a, p. 173.
Agropyron repens.

Forda kingii Cockerell. Cockerell, 1903a, p. 216.
Grass.

Forda marginata Koch. Koch, 1857a, p. 311; Theobald, 1929a, p. 187.
Barley, corn, grasses, wheat.

Forda mokrzeckyi Mordvilko. Mordvilko, 1921a, p. 66.
Gramineae.

Forda occidentalis Hart. Hottes, 1931b, p. 356, 397.
Poa.

Forda olivacea Rohwer. Gillette, 1918c, p. 284; 1934a, p. 238; Knowlton, 1929a, p. 7.
Agropyron, Avena sativa, Bromus ciliatus, B. inermis, B. marginatus, B. tectorum, Echinochloa crusgalli, Elymus, Eriocoma cuspidata, Hordeum sativum, H. vulgare, Phleum alpinum, Poa pratensis, Setaria, Triticum sativum.

Forda orientalis George. George, 1928a.
Sorghum.

Forda pawlowae Mordvilko. Mordvilko, 1901a, p. 83.
Bromus mollis.

Forda polonica Mordvilko. Mordvilko, 1921a, p. 67.
Gramineae.

Forda proximalis Mordvilko. Mordvilko, 1921a, p. 66.
Gramineae.

Forda pskovensis Mordvilko. Mordvilko, 1921a, p. 67.
Gramineae.

Forda trivialis Passerini. Mordvilko, 1921a, p. 67, 1927a, p. 296; Nevsky, 1929b, p. 397, 401; Schouteden, 1906b, p. 193; Theobald, 1929a, p. 190; Wilson, 1918a, p. 169.
Agropyron repens, Avena sativa, Bromus arvensis, B. mollis, B. sterilis, Cynodon dactylon, Dactylis glomerata, Digitaria filiformis, Festuca duriuscula, F. elatior, F. ovina-duriuscula, Hordeum vulgare, Poa annua, P. pratensis, P. trivialis, Setaria vividis, Triticum spelta, T. vulgare.

Forda viridana Buckton. Buckton, 1883a, p. 86; Theobald, 1929a, p. 176; Wilson, 1918a, p. 178.
Aira flexuosa, Bromus mollis, Dactylis glomerata, Deschampsia flexuosa, Triticum repens.

Forda wilsoni Mordvilko. Mordvilko, 1921a, p. 67.
Gramineae.

Geoica carnosa Buckton. Schouteden, 1902a, p. 140; Theobald, 1929a, p. 195.
Avena pratensis, Triticum vulgare.

Geoica lucifuga Zehntner. Van der Goot, 1916a, p. 264; Mordvilko, 1935a, p. 214; Takahashi, 1923a, p. 151.
Panicum, Saccharum officinarum.

Geoica pellucida Buckton. Theobald, 1929a, p. 196.
Poa annua.

Geoica phaseoli Passerini. Hall, 1926a, p. 47; Jones, 1929a, p. 52; Willcocks, 1925a, p. 125.
Barley, *Cynodon dactylon, Eragrostis megastachya, Panicum colonum,* Wheat.

Geoica pseudosetulosa Theobald. Theobald, 1928e.
Zea mays.

Geoica setulosa Passerini. Theobald, 1929a, p. 198.
Oryza sativa, Setaria, Triticum vulgare.

Geoica spatulata Theobald. Fletcher, 1927a; Hall, 1926a, p. 47.
Cynodon dactylon, Panicum, Saccharum officinarum, Triticum sativum.

Geoica squamosa Hart. Cutright, 1925a, p. 211; Gillette, 1934a, p. 239; Hart, 1894a, p. 99; Hottes, 1931b, p. 356, 400.
Agrostis perennans, Avena sativa, Danthonia spicata, Echinochloa crusgalli, Muhlenbergia mexicana, Panicum crusgalli, Phleum pratense, Poa pratensis, Setaria glauca, S. viridis, Triticum vulgare, Zea mays.

Geoica utricularia Passerini. Mordvilko, 1935a, p. 205.
Agrostis, Hordeum, Panicum miliaceum, Poa, Triticum.

Hemitrama bykovi Mordvilko. Mordvilko, 1935a, p. 140.
Calamagrostis, Hordeum murinum, Poa, Setaria.

Neorhizobius poae Del Guercio. Del Guercio, 1917a, p. 247.
Poa.

Neorhizobius stramineus Del Guercio. Del Guercio, 1917a, p, 249.
Hordeum murinum.

Paracletus cimiciformis Heyden. Mordvilko, 1935a, p. 178, 180, 182; Nevsky, 1929b, p. 381; Theobald, 1917a, p. 81, 1929a, p. 206.
Agropyron repens, Agrostis, Andropogon halepensis, Erianthus ravennae, Festuca duriuscula, Hordeum, Setaria, Triticum.

Paracletus cynodonti Das. Mordvilko, 1935a, p. 227; Takahashi, 1923a, p. 161.
Cynodon dactylon.

Paracletus portshinskyi Mordvilko. Mordvilko, 1921a, p. 63.
Gramineae.

Pemphigella aedificator Buckton. Mordvilko, 1936a, p. 227; Takahashi, 1931a, p. 104.
Cynodon dactylon, Oplismenus, Pollinia ciliata.

Pemphigella cornicularia Passerini. Mordvilko, 1927a, p. 297, 1935a, p. 227.
Cynodon dactylon.

Pemphigella paglianoi Gaumont. Gaumont, 1930a.
Barley.

Pemphigus auriculae Murray. Theobald, 1929a, p. 264.
Grass.

Pemphigus betae Doane. Parker, 1914a, p. 137.
Agropyron occidentale, Distichlis spicata, Hordeum jubatum, Wheat.

Pemphigus brevicornis Hart. Davis, 1910d, p. 408; Hottes, 1931b, p. 365, 402.
Grasses, *Zea mays.*

Pemphigus bursarius Linnaeus. Mordvilko, 1935a, p. 75, 77.
Agrostis tenuis, Poa, Setaria.

Pemphigus lactucae Fitch. Cutright, 1925a, p. 200.
Agrostis alba, Andropogon virginicus, Aristida dichotoma, Secale cereale, Triticum vulgare.

Pemphigus semilunarius Passerini. Mordvilko, 1928b, p. 1071, 1935a, p. 153.
Agropyron, Dactylis, Deschampsia, Poa.

Pentaphis viridescens Del Guercio. Del Guercio, 1920a.
Roots of grasses.

Prociphilus erigeronensis Thomas. Cutright, 1925a, p. 207; Hottes, 1931b, p. 396.
Agrostis perennans, Danthonia spicata, Muhlenbergia schreberi, Panicum, Poa pratensis, Spartina, Triticum vulgare.

Rectinasus caucasicus Mordvilko. Mordvilko, 1921a, p. 61.
Gramineae.

Rhizobius graminis Buckton. Willcocks, 1925a, p. 123.
Barley, *Cynodon dactylon?;* Wheat.

Rhizobius pilosellae Burmeister. Wilson, 1918a, p. 128.
Zea mays.

Slavum lentiscoides Mordvilko. Mordvilko, 1935a, p. 225.
Agropyron, Poa.

Tetraneura aegyptiaca Theobald. Willcocks, 1925a, p. 128.
Panicum colonum.

Tetraneura cynodontis Theobald. George, 1928a; Hall, 1926a, p. 45; Mordvilko, 1935a, p. 129; Nevsky, 1929b, p. 376; Theobald, 1922e, p. 69.
Andropogon halepensis, Calamagrostis, Cynodon dactylon, Saccharum officinarum.

Tetraneura flavescens Del Guercio. Del Guercio, 1920a.
Hordeum murinum.

Tetraneura graminis Monell. Gillette, 1934a, p. 215; Hottes, 1931b, p. 340; Monell, 1882a, p. 16; Patch, 1910b, p. 210; Wilson, 1918a, p. 85.
Agrostis plumosa, Aira caespitosa, Deschampsia ambigua, Homalocenchrus oryzoides, Leersia virginica, Panicum teneriffae, Triticum vulgare, Zea mays.

Tetraneura hirsuta Baker. Mordvilko, 1929a, p. 201, 1935a, p. 128; Nevsky, 1929b, p. 373; Takahashi, 1931a, p. 101; Tan, 1924a, p. 282–284; Theobald, 1928d.
Alopecurus aequalis, Cynodon dactylon, Digitaria corymbosa, Eleusine indica, Eragrostis interrupta, Hordeum vulgare, Miscanthus, Oryza

sativa, Panicum colonum, P. crusgalli, P. novemnerve, P. reptans, Saccharum officinarum, Setaria viridis.

Tetraneura javensis van der Goot. Van der Goot, 1916a, p. 262.
Saccharum officinale.

Tetraneura moriokaensis Monzen. Hori, 1929b, p. 17; Mordvilko, 1935a, p. 131.
Sasa albomarginata, S. paniculata.

Tetraneura radicicola Strand. Mordvilko, 1935a, p. 130; Takahashi, 1931a, p. 101.
Miscanthus, Saccharum officinarum.

Tetraneura reticulata Del Guercio. Del Guercio, 1920a.
Hordeum murinum.

Tetraneura rubra Lichtenstein. Cholodkovsky, 1910b, p. 149; Mordvilko, 1935a, p. 121; Nevsky, 1929b, p. 372.
Panicum crusgalli, Setaria italica.

Tetraneura setariae Passerini. Schouteden, 1906a, p. 200.
Gramineae.

Tetraneura ulmi Geoffroy. George, 1925a; van der Goot, 1915a, p. 487; Mordvilko, 1929a, p. 125; Nevsky, 1929b, p. 376; Tullgren, 1925a, p. 37; Wilson, 1918a, p. 172.
Andropogon halepensis, Avena sativa, Cynodon dactylon, Deschampsia caespitosa, D. flexuosa, Digitaria sanguinalis, Echinochloa crusgalli, Eleusine, Eragrostis megastachya, Lolium perenne, Oryza sativa, Poa, Sorghum halepense, S. saccharatum, S. vulgare, Triticum, Zea.

Tetraneura ulmifoliae Baker. Theobald, 1929a, p. 298, 300; Zeck, 1933a.
Avena sativa, Hordeum sativum, Lolium perenne, Panicum sanguinale, Saccharum officinarum, Triticum sativum.

Tetraneura ulmisacculi Patch. Gillette, 1934a, p. 215.
Agropyron.

Tetraneura yezoensis Matsumura. Hori, 1929b, p. 14, 46, 56, 157.
Agrostis alba, Dactylis glomerata, Panicum crusgalli, P. miliaceum, P. sanguinale, Phleum pratense, Poa pratensis, Setaria italica, S. viridis.

Trifidaphis radicicola Essig. Jones, 1929a, p. 51.
Grass.

Trinacriella magnifica Del Guercio. Del Guercio, 1913b, p. 170.
Avena.

Truncaphis graminis Takahashi. Takahashi, 1930d, p. 327.
Gramineae.

Tychea eragrostidis Passerini. Schouteden, 1906a, p. 194; Wilson, 1918a, p. 72.
Eragrostis, Poa, Setaria, Triticum.

Tychea groenlandica Rubsaamen. Wilson, 1918a, p. 87.
Grass.

Tychea panici Thomas. Thomas, 1879a, p. 170.
Panicum glabrum.

Tychea setulosa Passerini. Passerini, 1860a, p. 40; Wilson, 1918a, p. 156.
Oryza sativa, Setaria.

Tychea silvestrii Mordvilko. Mordvilko, 1921a, p. 72.
Gramineae.
Tycheoides eragrostidis Passerini. Schouteden, 1906a, p. 194; Theobald, 1929a, p. 182.
Poa, Triticum sativum.

HORMAPHIDINAE:
Cerataphis bambusifoliae Takahashi. Takahashi, 1925a, p. 50.
Bambusa.
Cerataphis saccharivora Matsumura. Matsumura, 1917a, p. 58.
Saccharum officinarum.
Ceratoglyphina bambusae van der Goot. Van der Goot, 1916a, p. 239; Takahashi, 1925a, p. 49.
Bambusa.
Ceratovacuna longifila Takahashi. Takahashi, 1931a, p. 95.
Bambusa.
Glyphinaphis bambusae van der Goot. Van der Goot, 1916a, p. 235.
Bambusa nana.
Oregma alexanderi Takahashi. Takahashi, 1924a, p. 82, 1931a, p. 97.
Dendrocalamus latiflorus, Miscanthus.
Oregma bambusae Buckton. Van der Goot, 1916a, p. 180; Schouteden, 1905a, p. 187.
Bambusa arundinacea, Dendrocalamus giganteus.
Oregma bambusicola Takahashi. Takahashi, 1923a, p. 142.
Bambusa nana, B. stenostachya.
Oregma bambusifoliae Takahashi. Takahashi, 1923a, p. 143.
Bambusa nana, B. stenostachya, Dendrocalamus latiflorus.
Oregma basalis van der Goot. Van der Goot, 1916a, p. 183.
Bambusa.
Oregma formosana Takahashi. Takahashi, 1924a, p. 89.
Dendrocalamus latiflorus.
Oregma graminum van der Goot. Van der Goot, 1916a, p. 186.
Panicum.
Oregma heitoensis Takahashi. Takahashi, 1927a, p. 14.
Arundinaria, Bambusa pachinensis, B. stenostachya.
Oregma insularis van der Goot. Van der Goot, 1916a, p. 189; Takahashi, 1931a, p. 98.
Bambusa, Dendrocalamus latiflorus.
Oregma japonica Takahashi. Takahashi, 1924a, p. 117.
Bambusa.
Oregma koshunensis Takahashi. Takahashi, 1924a, p. 85.
Bambusa.
Oregma lanigera Zehntner. Van der Goot, 1916a, p. 193; Schouteden, 1905a, p. 184; Takahashi, 1923a, p. 145, 1927a, p. 17, 1928a.
Miscanthus japonicus, M. sinensis, Saccharum officinarum.
Oregma lutescens van der Goot. Van der Goot, 1916a, p. 200.
Bambusa.

Oregma minuta van der Goot. Van der Goot, 1916a, p. 204.
Bambusa.
Oregma montana van der Goot. Van der Goot, 1916a, p. 208.
Bambusa.
Oregma mysorensis Krishnamurthy. Krishnamurthy, 1930a.
Bambusa.
Oregma mysorensis Theobald. Theobald, 1929c, p. 198.
Bambusa.
Oregma oplismeni Takahashi. Takahashi, 1924a, p. 90.
Oplismenus compositus.
Oregma orientalis Takahashi. Takahashi, 1923a, p. 52.
Arthraxon ciliaria?
Oregma pallida van der Goot. Van der Goot, 1916a, p. 214.
Bambusa.
Oregma panici van der Goot. Van der Goot, 1916a, p. 216.
Cynodon dactylon, Paspalum conjugatum.
Oregma panicola Takahashi. Takahashi, 1923a, p. 50.
Panicum patens.
Oregma pseudomontana Takahashi. Takahashi, 1924a, p. 84.
Bambusa nana, B. stenostachya.
Oregma salatigensis van der Goot. Van der Goot, 1916a, p. 223.
Bambusa.
Oregma sasae Monzen. Monzen, 1927a.
Sasa ramosa.
Oregma similis van der Goot. Van der Goot, 1916a, p. 226.
Bambusa.
Oregma singaporensis van der Goot. Van der Goot, 1918a, p. 122.
Bambusa.
Oregma striata van der Goot. Van der Goot, 1916a, p. 229.
Bambusa vulgaris.
Oregma sumatrensis Takahashi. Takahashi, 1926b, p. 464.
Bambusa.
Oregma tattakana Takahashi. Takahashi, 1925a, p. 48.
Arundinaria niitakayamensis.

CYPERACEAE

SEDGE FAMILY

APHIDINAE (APHIDINI):
Acaudus calami Theobald. Theobald, 1922e, p. 61.
Cyperus longus.
Aphis africana Theobald. Hall, 1926a, p. 13.
Sedge.
Aphis bufo Walker. Walker, 1848a, p. 46.
Carex arenaria.
Aphis caricis Schouteden. Schouteden, 1906a, p. 218.
Carex pseudocyperus.

Aphis maidis Fitch. Das, 1918a, p. 270; Hottes, 1931b, p. 391; Wildermuth, 1932a, p. 6.
Carex, Cyperus esculentus, C. rotundus, Scirpus maritimus.
Aphis polyanthis Sulzer. Macchiati, 1883a, p. 256.
Cyperus.
Aphis rumicis Linnaeus. Hottes, 1931b, p. 391; Wilson, 1918a, p. 150.
Carex, Cyperus laevigatus, C. rotundus.
Aphis scirpi Kittel. Wilson, 1918a, p. 154.
Scirpus.
Aphis splendens Theobald. Willcocks, 1925a, p. 116.
Cyperus.
Aulacorthum scirpi van der Goot. Van der Goot, 1916a, p. 28.
Scirpus grossus.
Carolinaia caricis Wilson. Wilson, 1911a, p. 62.
Carex.
Carolinaia cyperi Ainslie. Ainslie, 1915a, p. 86; Chardon, 1922a.
Cyperus esculentus, C. rotundus.
Hyalopterus arundinis Fabricius. Wilson, 1918a, p. 37.
Scirpus caespitosus, S. lacustris.
Macrosiphum caricis Glendenning. Glendenning, 1926a, p. 98.
Carex.
Macrosiphum granarium Kirby. Hall, 1926a, p. 52.
Cyperus.
Rhopalosiphum eriophori Walker. Theobald, 1927a, p. 69.
Eriophorum angustifolium, E. vaginatum.
Rhopalosiphum gnaphalii Tissot. Tissot, 1933b, p. 42.
Cyperus esculentus.
Rhopalosiphum melliferum Hottes. Hottes, 1931b, p. 238.
Carex.
Rhopalosiphum nymphaeae Linnaeus. Theobald, 1927a, p. 64.
Scirpus lacustris.
Rhopalosiphum parvae Hottes and Frison. Hottes, 1931b, p. 237.
Carex.
Rhopalosiphum prunifoliae Fitch. Hottes, 1931b, p. 240.
Carex.
Rhopalosiphum scirpifolii Gillette and Palmer. Gillette, 1932b, p. 490.
Scirpus campestris.
Toxoptera acori Theobald. Hall, 1926a, p. 34; Theobald, 1922e, p. 52.
Cyperus longus, Sedge.
Toxoptera cyperi van der Goot. Van der Goot, 1916a, p. 83.
Cyperus, Fimbristylis diphylla.
Toxoptera graminum Rondani. Hall, 1926a, p. 34; Hottes, 1931b, p. 391; Theobald, 1927a, p. 323.
Carex, Cyperus niveus, C. rotundus.
Toxoptera minuta van der Goot. Van der Goot, 1916a, p. 88.
Fimbristylis diphylla.
Toxoptera nigra Baker. Baker, 1918b, p. 88.
Sedge.

Toxoptera scirpi Passerini. Macchiati, 1883a, p. 237; Phillips, 1912a, p. 8.
Scirpus cernuus, S. lacustris, S. specierum.
Toxoptera shichito Uye. Uye, 1923a, p. 3–5.
Cyperus malaccensis.
Toxoptera viridi-rubra Gillette and Palmer. Gillette, 1932b, p. 496.
Carex nebraskensis.
Trilobaphis caricis Theobald. Theobald, 1926a, p. 261.
Carex remota.
Vesiculaphis caricis Fullaway. Fullaway, 1910a, p. 33; Takahashi, 1921a, p. 32.
Carex, Cyperus rotundus.

APHIDINAE (CALLIPTERINI):

Allaphis caricicola Mordvilko. Mordvilko, 1921a, p. 58.
Carex.
Allaphis caricis Mordvilko. Mordvilko, 1921a, p. 58.
Carex.
Iziphya flabella Sanborn. Baker, 1917b, p. 6; Gillette, 1931a, p. 908.
Carex.
Myzocallis cyperis Macchiati. Macchiati, 1883a, p. 259; Mordvilko, 1921a, p. 59.
Cyperus rotundus.
Saltusaphis americanus Baker. Baker, 1917b, p. 4.
Bog grass.
Saltusaphis elongatus Baker. Baker, 1917b, p. 6; Hottes, 1931b, p. 265.
Bog grass, *Carex.*
Saltusaphis scirpus Theobald. Hall, 1926a, p. 52; Theobald, 1915a, p. 141.
Scirpus, Cyperus.
Saltusaphis virginicus Baker. Baker, 1917b, p. 8.
Carex.
Saltusaphis wanica Hottes and Frison. Hottes, 1931b, p. 267.
Carex.
Sipha flava Forbes. Hottes, 1931b, p. 391; Mason, 1921a, p. 23.
Carex, Cyperus esculentus.
Thripsaphis ballii Gillette. Baker, 1917b, p. 4; Gillette, 1931a, p. 910.
Carex nebraskensis, Scirpus sylvaticus.
Thripsaphis caricicola Swain. Swain, 1918a, p. 367.
Carex.
Thripsaphis cyperi Walker. Jackson, 1922a; Theobald, 1929a, p. 71; Walker, 1848a, p. 45.
Carex goodenovii, Cyperus.
Thripsaphis hottesi Frison and Ross. Frison, 1933a, p. 153.
Carex filiformis.
Thripsaphis producta Gillette. Gillette, 1917c, p. 196, 1931a, p. 910.
Carex nebraskensis.
Thripsaphis verrucosa Gillette. Gillette, 1908b, p. 67, 1917c, p. 194.
Carex nebraskensis.

APHIDINAE (LACHNINI):

Anoecia caricis Pergande. Mordvilko, 1935a, p. 298.
Carex.

Anoecia pskovica Mordvilko. Mordvilko, 1935a, p. 301.
Carex hirta, Eriophorum.

ERIOSOMATINAE:

Colopha compressa Koch. De Fluiter, 1933a; Mordvilko, 1935a, p. 112.
Carex paludosa.

Endeis formicina Buckton. Buckton, 1883a, p. 91; Mordvilko, 1921a, p. 71.
Carex dioica.

Forda formicaria Heyden. Schouteden, 1902a, p. 137.
Carex.

Forda viridana Buckton. Theobald, 1929a, p. 176.
Carex.

Geoica lucifuga Zehntner. / Takahashi, 1931a, p. 104.
Carex.

Geoica phaseoli Passerini. Hall, 1926a, p. 47.
Sedge.

Geoica spatulata Theobald. Hall, 1926a, p. 47.
Sedge.

Schoutedenia cyperi Schouteden. Mordvilko, 1921a, p. 63; Schouteden, 1902a, p. 138.
Cyperus virens.

Tetraneura cynodontis Theobald. Hall, 1926a, p. 45.
Sedge.

Tetraneura hirsuta Baker. Tan, 1924a, p. 283.
Fimbristylis miliacea.

PALMAE

PALM FAMILY

APHIDINAE:

Macrosiphoniella citricola van der Goot. Takahashi, 1928a.
Trachycarpus excelsus.

Toxoptera coffeae Nietner. Theobald, 1917b, p. 339.
Cacao.

HORMAPHIDINAE:

Cerataphis formosanus Takahashi. Takahashi, 1924a, p. 91.
Cocos.

Cerataphis lataniae Boisduval. Embleton, 1903a, p. 91; Fullaway, 1910a, p. 46; van der Goot, 1916a, p. 171; Mordvilko, 1935a, p. 265; Ogilvie, 1927a; Takahashi, 1931a, p. 99; Theobald, 1929a, p. 312.
Areca catechu, A. oleracea, Calamus, Cocos nucifera, Kentia, Latania, Livistonia chinensis, Pritchardia, Raphia ruffia, R. vinifera, Zalacca edulis.

Oregma nipae van der Goot. Van der Goot, 1916a, p. 170, 211, 212.
Cocos nucifera, Nipa fruticans, Zalacca edulis.

Oregma rhapidis van der Goot. Van der Goot, 1916a, p. 219, 1918a, p. 113.
Cocos nucifera, Elaeis guineensis, Kentia woodfordi, Rhapis javanica.

ARACEAE

ARUM FAMILY

APHIDINAE:

Aphis colocasiae Matsumura. Matsumura, 1917b, p. 356.
Colocasia antiquorum.

Aphis durranti Das. Das, 1918a, p. 269.
Colocasia antiquorum.

Aphis fabae Scopoli. Werder, 1931a, p. 79.
Richardia albo-maculata.

Aphis gossypii Glover. Fullaway, 1910a, p. 40; Goff, 1932a, p. 10; van der Goot, 1916a, p. 95; Takahashi, 1924b, 1927a, p. 16, 1931a, p. 45.
Caladium, Colocasia antiquorum, C. esculenta, C. kotoensis, Richardia scabra.

Macrosiphum pelargonii Kaltenbach. Theobald, 1926a, p. 125; Zirnits, 1927a, p. 205.
Arum, Calla.

Myzus circumflexus Buckton. Davis, 1914a, p. 122; Knowlton, 1929b, p. 10; Swain, 1919a, p. 177; Theobald, 1926a, p. 333.
Arum, Calla, Zantedeschia aethiopia.

Myzus persicae Sulzer. Gillette, 1908a, p. 35; Hall, 1926a, p. 41.
Colocasia, Richardia africana.

Myzus pseudosolani Theobald. Patch, 1928a, p. 54.
Zantedeschia aethiopicum.

Pentalonia caladii van der Goot. Van der Goot, 1916a, p. 60; Takahashi, 1925c, p. 5.
Caladium bicolor.

Pentalonia nigronervosa Coquerel. Hardy, 1932a; Theobald, 1926a, p. 362.
Alocasia macrorrhiza, Arum maculatum, Dieffenbachia magnifica.

Rhopalosiphum nymphaeae Linnaeus. Davis, 1910a, p. 245; Macchiati, 1883a, p. 233; Takahashi, 1925a, p. 58; Theobald, 1927a, p. 64.
Acorus calamus, Arum italicum, Calla, Cryptocoryne ciliata, Pistia stratiotes.

Toxoptera aurantii Boyer. Takahashi, 1931a, p. 50.
Caladium.

ERIOSOMATINAE:

Tetraneura ulmifoliae Baker. Theobald, 1929a, p. 298.
Colocasia antiquorum.

HORMAPHIDINAE:

Cerataphis lataniae Boisduval. Takahashi, 1923a, p. 90; Wilson, 1918a, p. 185.
Acorus calamus, Pothos seemanni.

LEMNACEAE

DUCKWEED FAMILY

Aphis sambuci Linnaeus. Wilson, 1918a, p. 153.
Lemna minor.
Rhopalosiphum nymphaeae Linnaeus. Hottes, 1931b, p. 239; Theobald, 1927a, p. 64; Williams, 1910a, p. 71; Wilson, 1918a, p. 116.
Lemna gibba, L. minor, L. polyrhiza, L. trisulca.

COMMELINACEAE

Amphorophora takahashii Mason. Mason, 1925a, p. 67.
Pollia japonica.
Aphis gossypii Glover. Van der Goot, 1916a, p. 95; Takahashi, 1925c, p. 5.
Commelina benghalensis, C. nudiflora.
Myzus circumflexus Buckton. Griswold, 1927b, p. 14.
Tradescantia fluminensis.

PONTEDERIACEAE

PICKEREL-WEED FAMILY

Aphis abbreviata Patch. Patch, 1924a, p. 35.
Pontederia cordata.
Myzus circumflexus Buckton. Gillette, 1934a, p. 202.
Eichhornia crassipes.
Myzus pseudosolani Theobald. Patch, 1928a, p. 54.
Pontederia cordata.
Rhopalosiphum nymphaeae Linnaeus. Hottes, 1931b, p. 239; Theobald, 1927a, p. 64.
Pontederia cordata, Eichhornia.

JUNCACEAE

RUSH FAMILY

Aphis luzulae Kaltenbach. Wilson, 1918a, p. 105.
Luzula albida.
Atheroides hirtellus Haliday. Laing, 1920a, p. 43.
Juncus articulatus.
Atheroides junci Laing. Laing, 1920a, p. 45.
Rushes.
Geoica squamosa Hart. Cutright, 1925a, p. 211.
Juncus.
Macrosiphum granarium Kirby. Theobald, 1926a, p. 74.
Juncus tenuis.
Prociphilus erigeronensis Thomas. Cutright, 1925a, p. 207.
Juncus effusus.

Rhopalosiphum nymphaeae Linnaeus. Hori, 1929b, p. 16, 57, 133; Theobald, 1915a, p. 118; Williams, 1919a, p. 71; Wilson, 1918a, p. 116.
Juncus effusus, J. lampocarpus.

Saltusaphis insessa Walker. Theobald, 1929a, p. 63.
Juncus maritimus.

Sipha glyceriae Kaltenbach. Kaltenbach, 1843a, p. 113; Patch, 1910a, p. 242.
Juncus.

Sipha schoutedeni Del Guercio. Theobald, 1929a, p. 5.
Juncus lampocarpus.

Thripsaphis cyperi Walker. Wilson, 1918a, p. 66.
Juncus lampocarpus.

Toxoptera graminum Rondani. Webster, 1912a, p. 43.
Juncus tenuis.

LILIACEAE

LILY FAMILY

APHIDINAE (APHIDINI):

Amphorophora indica van der Goot. Takahashi, 1924a, p. 107, 1931a, p. 73.
Hemerocallis aurantiaca.

Amphorophora pallida Mason. Mason, 1925a, p. 49.
Clintonia.

Anuraphis tulipae Boyer. Theobald, 1927a, p. 241.
Chiondoxa, Lilium, Scilla, Tulipa.

Aphis avenae Fabricius. Hori, 1926a; Swain, 1919a, p. 165.
Allium cepa, Dracaena.

Aphis fabae Scopoli. Franssen, 1927a, p. 259; Rawitscher, 1933a, p. 145; Werder, 1931a, p. 79.
Asparagus officinalis, Hosta lancifolia, Tulipa gesneriana.

Aphis gossypii Glover. Essig, 1917a, p. 338; Hall, 1926a, p. 19; Mason, 1921a, p. 24; Ogilvie, 1928a, p. 21; Patch, 1925b, p. 188.
Allium cepa, Asparagus officinalis, Dipcadi, Lilium candidum, L. longiflorum, L. speciosum, L. testaceum, Tulipa.

Aphis helianthi Monell. Jones, 1929a, p. 26.
Yucca glauca.

Aphis leguminosae Theobald. Hall, 1926a, p. 21.
Asparagus.

Aphis ogilvie Theobald. Theobald, 1928a, p. 52.
Lilium longiflorum.

Aphis polyanthis Sulzer. Passerini, 1863a, p. 247.
Funkia subcordata.

Aphis rumicis Linnaeus. Van der Goot, 1915a, p. 225; Schouteden, 1906a, p. 227; Theobald, 1927a, p. 102.
Allium cepa, A. porrum, A. schoenoptasum, Asparagus officinalis, Tulipa.

Aphis sambuci Linnaeus. Ferrari, 1872a, p. 71; Wilson, 1918a, p. 153.
Funkia subcordata, Hemerocallis albida.

Aphis sinensis Del Guercio. Wilson, 1918a, p. 157.
Lilium.
Aphis smilacifoliae Takahashi. Takahashi, 1923a, p. 96.
Smilax chinensis.
Aphis tuberosae Boyer. Wilson, 1918a, p. 170.
Funkia subcordata.
Aphis veratri Cowen. Hunter, 1901a, p. 105.
Veratrum californicum.
Aphis veratri Walker. Wilson, 1918a, p. 175.
Veratrum album.
Aphis yuccae Cowen. Cowen, 1895a, p. 122; Swain, 1919a, p. 128.
Yucca angustifolia, Y. mohavensis.
Aphis yuccae Lichtenstein. Wilson, 1918a, p. 180.
Yucca.
Fullawayella formosana Takahashi. Takahashi, 1923a, p. 80, 1924a, p. 107, 1929b, p. 251.
Allium scorodoprasum, Lilium fistulosum.
Macrosiphum allii Jackson. Jackson, 1918a, p. 84.
Allium porrum.
Macrosiphum gei Koch. Hottes, 1931b, p. 397; Theobald, 1926a, p. 111, 313.
Lilium, Polygonatum, Tulipa.
Macrosiphum kickapoo Hottes and Frison. Hottes, 1931b, p. 314.
Polygonatum.
Macrosiphum kiowanepus Hottes. Gillette, 1934a, p. 185; Hottes, 1933a, p. 15.
Quamasia hyacinthia, Zygadenus.
Macrosiphum lilii Monell. Patch, 1923b, p. 308.
Lilium auratum.
Macrosiphum martini Cockerell. Cockerell, 1903b, p. 170; Glendenning, 1929b, p. 56.
Zygadenus nuttallii, Z. venenosus.
Macrosiphum matsumuraeanum Hori. Hori, 1926a.
Lilium maximowiczii.
Macrosiphum smilaceti Takahashi. Takahashi, 1924a, p. 102.
Smilax chinensis.
Macrosiphum smilacicola Takahashi. Takahashi, 1924a, p. 16.
Smilax stenopetala.
Macrosiphum smilacifoliae Takahashi. Takahashi, 1923a, p. 72.
Smilax chinensis.
Macrosiphum solanifolii Ashmead. Patch, 1921a, p. 327.
Asparagus officinalis, Disporum, Tulipa.
Macrosiphum tulipae Monell. Monell, 1879a, p. 20; Swain, 1919a, p. 71.
Tulipa.
Megoura citricola van der Goot. Takahashi, 1930d, p. 320.
Smilax.
Micromyzus alliumcepa Essig. Essig, 1935a, p. 159.
Chives, Leeks, Onions.

Myzus circumflexus Buckton. Davis, 1914a, p. 122; Essig, 1917a, p. 335; McDaniel, 1931a, p. 51; Theobald, 1926a, p. 333.
Asparagus plumosus, Lilium elegans, L. speciosum, Tulipa.
Myzus duffieldii Theobald. Theobald, 1926a, p. 313.
Tulipa.
Myzus hemerocallis Takahashi. Takahashi, 1923a, p. 82.
Hemerocallis fulva.
Myzus leucocrini Gillette and Palmer. Gillette, 1934a, p. 203.
Leucocrinum montanum.
Myzus persicae Sulzer. Gillette, 1908a, p. 35, 1934a, p. 205; Griswold, 1927b, p. 15; Hall, 1926a, p. 42; Hall, 1921a, p. 24; Passerini, 1863a, p. 249; Takahashi, 1923a, p. 79; Werder, 1931a, p. 79.
Asparagus plumosus, A. officinalis, A. sprengeri, Cordyline, Erythronium dens-canis, Hemerocallis, Hyacinthus orientalis, Lilium candidum, L. longiflorum, Tulipa.
Myzus pseudosolani Theobald. Patch, 1928a, p. 55.
Lilium longiflorum.
Myzus roseus Macchiati. Macchiati, 1881a; Wilson, 1918a, p. 148.
Yucca.
Myzus rubrum Macchiati. Schouteden, 1906b, p. 32; Wilson, 1918a, p. 149.
Yucca.
Neotoxoptera violae Pergande. Ogilvie, 1928a, p. 23.
Lilies.
Phorodon menthae Buckton. Hori, 1929b, p. 49.
Lilium maximowiczii.
Rhopalosiphum tulipaella Theobald. Theobald, 1926a, p. 222.
Tulipa.
Rhopalosiphum hemerocallidis Matsumura. Matsumura, 1918a, p. 13.
Hemerocallis middendorffii.
Rhopalosiphum prunifoliae Fitch. Hori, 1929b, p. 128.
Allium cepa.
Rhopalosiphum smilacis Matsumura. Matsumura, 1918a, p. 10.
Smilax china.
Rhopalosiphum tulipae Thomas. Davidson, 1910a, p. 377.
Tulipa.

ERIOSOMATINAE:
Neoprociphilus attenuatus Osborn and Sirrine. Patch, 1912a, p. 174.
Smilax herbacea.

DIOSCOREACEAE

YAM FAMILY

Amphorophora magnoliae Essig and Kuwana. Takahashi, 1923a, p. 86.
Dioscorea japonica.
Aphis minuta Wilson. Wilson, 1918a, p. 111.
Dioscorea bulbifera?

AMARYLLIDACEAE

AMARYLLIS FAMILY

Anuraphis helichrysi Kaltenbach. Hall, 1926a, p. 11.
Agave.
Aphis polyanthis Sulzer. Passerini, 1863a, p. 257.
Polyanthes tuberosa.
Aphis tuberosae Boyer. Wilson, 1918a, p. 170.
Polyanthes tuberosa.
Cerataphis lataniae Boisduval. Smee, 1931a.
Agave.
Fullawayella formosana Takahashi. Takahashi, 1924a, p. 107.
Lycoris sanguinea.
Myzus persicae Sulzer. Wilson, 1918a, p. 125.
Cyrtanthus, Narcissus, Polyanthes.
Myzus polyanthi Theobald. Theobald, 1926a, p. 341.
Polyanthes.
Oregma sundanica van der Goot. Van der Goot, 1916a, p. 231.
Curculigo.

IRIDACEAE

IRIS FAMILY

Anuraphis iridis Del Guercio. Blanchard, 1922b, p. 54.
Iris florentina.
Anuraphis tulipae Boyer. Nevsky, 1929b, p. 307; Theobald, 1927a, p. 241.
Crocus, Gladiolus, Iris songorica.
Aphis fabae Scopoli. Franssen, 1927a, p. 260.
Gladiolus.
Aphis gossypii Glover. Dosdell, 1928a, p. 216; Hottes, 1931b, p. 302.
Crocus, Gladiolus.
Aphis newtoni Theobald. Theobald, 1927a, p. 199.
Iris pseudacorus.
Aphis rumicis Linnaeus. Patch, 1912a, p. 177.
Gladiolus.
Geoica albicornis Koch. Theobald, 1925a, p. 81.
Gladiolus.
Macrosiphum gei Koch. Theobald, 1926a, p. 111.
Gladiolus, Iris.
Macrosiphum solanifolii Ashmead. Blanchard, 1922a, p. 192; Patch, 1921a, p. 327.
Gladiolus, Iris, Watsonia.
Myzus circumflexus Buckton. Davis, 1914a, p. 122; Griswold, 1927b, p. 14; Swain, 1919a, p. 166; Werder, 1931a, p. 79.
Antholyza refracta, Crocus, Freesia refracta, Gladiolus, Iris, Spiraxis, Watsonia rosea.

Myzus persicae Sulzer. Griswold, 1927b, p. 15; Passerini, 1863a, p. 248; Theobald, 1926a, p. 322.
Crocus, Freesia, Gladiolus, Iris.
Myzus pseudosolani Theobald. Patch, 1928a, p. 55.
Gladiolus.
Trifidaphis phaseoli Passerini. Theobald, 1929a, p. 211.
Gladiolus.

MUSACEAE

BANANA FAMILY

Aphis avenae Fabricius. Swain, 1919a, p. 169.
Musa.
Aphis musae Schouteden. Schouteden, 1906a, p. 223.
Musa ensete.
Pentalonia nigronervosa Coquerel. Ocfemia, 1926a, p. 894; Takahashi, 1923a, p. 166, 1927a, p. 16; Theobald, 1926a, p. 362; Zeck, 1929b.
Musa banksi, M. cavendishii, M. formosana, M. sapientum, Ravenala, Strelitzia.

ZINGIBERACEAE

GINGER FAMILY

Oregma muiri van der Goot. Van der Goot, 1918a, p. 113.
(*Amomum?* "on unknown plant.")
Oregma sundanica van der Goot. Van der Goot, 1918a, p. 113.
(*Amomum?* "on unknown plant.")
Pentalonia nigronervosa Coquerel. Hottes, 1931b, p. 345; Takahashi, 1923a, p. 89; Theobald, 1926a, p. 362; Zeck, 1929b.
Alpinia rafflesiana, A. speciosa, Hedychium coronarium.

CANNACEAE

CANNA FAMILY

Aphis gossypii Glover. Hall, 1926a, p. 19.
Canna.
Macrosiphum solanifolii Ashmead. Patch, 1921a, p. 327.
Canna indica.
Myzus persicae Sulzer. Theobald, 1926a, p. 322.
Canna indica.

ORCHIDACEAE

ORCHIS FAMILY

Aphis epipactis Theobald. Theobald, 1927a, p. 400.
Epipactis palustris.

Cerataphis lataniae Boisduval. Embleton, 1903a, p. 92; van der Goot, 1916a, p. 171; Griswold, 1927b, p. 14; McDaniel, 1931a, p. 51.
Cattleya, Coelia, Cypripedium, Dendrobium, Epidendrum, Sobralia, Vanda, Vanilla.
Macrosiphoniella lutea Buckton. Theobald, 1926a, p. 170.
Orchidaceae.
Macrosiphum corallorhizae Cockerell. Cockerell, 1903b, p. 167.
Corallorhiza multiflora.
Myzus anselliae Hall. Hall, 1932a.
Ansellia gigantea.
Myzus circumflexus Buckton. Theobald, 1926a, p. 333.
Orchis.
Myzus pseudosolani Theobald. Patch, 1928a, p. 55.
Habenaria dilatata.
Rhopalosiphum nymphaeae Linnaeus. Wilson, 1918a, p. 230.
Cypripedium.

CASUARINACEAE

CASUARINA FAMILY

Aphis gossypii Glover. Takahashi, 1925a, p. 28.
Casuarina equisetifolia.

PIPERACEAE

PEPPER FAMILY

Aphis gossypii Glover. Van der Goot, 1916a, p. 96.
Piper nigrum.
Aphis piperis Kittel. Wilson, 1918a, p. 130.
Piper.
Aphis spiraecola Patch. Beyer, 1924a, p. 10.
Pepper.
Myzus persicae Sulzer. Patch, 1923b, p. 303.
Pepper.
Rhopalosiphum nymphaeae Linnaeus. Theobald, 1927a, p. 64.
Saururus cernuus.

SALICACEAE

WILLOW FAMILY

APHIDINAE (APHIDINI):
Anuraphis populi Del Guercio. Del Guercio, 1911a, p. 298.
Populus nigra.
Aphis alterna Walker. Theobald, 1912c, p. 86.
Salix caprea.

Aphis amenticola Kaltenbach. Bayer, 1909b, p. 10, 1914a, p. 29, 32; Theobald, 1912c, p. 86; Wilson, 1918a, p. 33.
Populus, Salix alba.

Aphis asclepiadis Passerini. Theobald, 1915a, p. 129.
Salix.

Aphis davisi Patch. Patch, 1917a, p. 418, 1923b, p. 293.
Populus.

Aphis farinosa Gmelin. Wilson, 1918a, p. 74.
Salix.

Aphis gossypii Glover. Hall, 1926a, p. 19.
Salix.

Aphis infuscata Koch. Theobald, 1927a, p. 205.
Salix.

Aphis maculatae Oestlund. Gillette, 1932b, p. 413; Hottes, 1931b, p. 397; Jones, 1929a, p. 42; Oestlund, 1922a, p. 126.
Populus balsamifera, P. lombarda, P. tremuloides, Salix.

Aphis nigripes Theobald. Theobald, 1914c, p. 327.
Salix.

Aphis pilosa Haldeman. Hunter, 1901a, p. 102.
Salix.

Aphis populeti Panzer. Wilson, 1918a, p. 134.
Populus nigra, P. pyramidalis.

Aphis populus-trepida Rafinesque. Hottes, 1931a, p. 65; Rafinesque, 1818a; Wilson, 1918a, p. 136.
Populus tremuloides, P. trepida.

Aphis salicariae Koch. Theobald, 1912c, p. 86.
Salix.

Aphis saliceti Kaltenbach. Gillette, 1918a, p. 91; Del Guercio, 1911a, p. 297; Hottes, 1931b, p. 399; Judenko, 1930a, p. 138; Kearns, 1935a; Patch, 1917a, p. 417; Takahashi, 1923a, p. 104; Theobald, 1927a, p. 171; Werder, 1931a, p. 79.
Salix alba, S. aurita, S. caprea, S. daphnoides, S. fragilis, S. nigra, S. purpurea, S. pyrenica, S. triandra, S. viminalis.

Aphis salicicola Thomas. Patch, 1913a, p. 81, 1923b, p. 296; Swain, 1919a, p. 123.
Salix.

Aphis secunda Walker. Theobald, 1912c, p. 87.
Salix caprea.

Aphis senecio Swain. Swain, 1918b, p. 17.
Salix.

Aphis sorensoni Knowlton. Knowlton, 1928b, p. 170.
Salix lutea.

Aphis spectabilis Ferrari. Theobald, 1912c, p. 86.
Salix.

Aphis truncata Hausmann. Kaltenbach, 1843a, p. 146.
Wollweide.

Aphis yanagicola Matsumura. Matsumura, 1917b, p. 358.
Salix daphnoides.

Cavariella aegopodii Scopoli. Hottes, 1931b, p. 399; Theobald, 1927a, p. 12; Werder, 1931a, p. 79.
Salix babylonica, S. caprea, S. fragilis, S. longifolia.
Cavariella bicaudata Essig and Kuwana. Hori, 1920b, p. 58; Okamoto, 1927a, p. 136; Takahashi, 1923a, p. 94.
Salix koreensis, S. purpurea, S. warburgii.
Cavariella capreae Fabricius. Essig, 1917a, p. 342; van der Goot, 1915, p. 162; Kearns, 1935a; Theobald, 1927a, p. 8.
Populus, Salix alba, S. amygdalina, S. babylonica, S. caprea, S. lasiolepis, S. lurida, S. nigra, S. pentandra, S. purpurea, S. triandra, S. viminalis, S. vitellina.
Cavariella japonica Essig and Kuwana. Takahashi, 1925a, p. 28.
Salix.
Cavariella neocapreae Takahashi. Takahashi, 1931a, p. 54.
Salix warburgii.
Cavariella pastinacae Linnaeus. Patch, 1923b, p. 301; Theobald, 1927a, p. 5.
Salix alba, A. amygdalina, S. babylonica, S. caprea.
Cavariella theobaldi Gillette and Bragg. Gillette, 1918a, p. 93, 1932b, p. 468.
Salix.
Cavariella umbellatarum Koch. Theobald, 1927a, p. 5.
Salix caprea.
Hyadaphis essigi Gillette and Bragg. Essig, 1911c, p. 537; Gillette, 1918a, p. 94; Gillette, 1932b, p. 467; Theobald, 1927a, p. 54.
Salix laevigata.
Macrosiphum californicum Clarke. Knowlton, 1928d, p. 82; Soliman, 1927a, p. 131; Swain, 1919a, p. 62.
Salix amygdaloides, S. laevigata, S. lasiandra, S. lasiolepis, S. lutea.
Macrosiphum laevigatae Essig. Essig, 1911c, p. 550; Hottes, 1931b, p. 314; Patch, 1913a, p. 84.
Salix laevigata.
Myzus persicae Sulzer. Gillette, 1908a, p. 35.
Salix.
Nipposiphum salicicola Matsumura. Matsumura, 1917b, p. 359.
Salix babylonica.
Toxoptera aurantii Boyer. Takahashi, 1923a, p. 95.
Salix warburgii.

APHIDINAE (CALLIPTERINI):
Chaitophorus albus Mordvilko. Mordvilko, 1901a, p. 410; Nevsky, 1929b, p. 399.
Populus alba, P. nigra, P. pyramidalis.
Chaitophorus anuraphoides Lambers. Lambers, 1931b, p. 5.
Salix viminalis.
Chaitophorus betulinus van der Goot. Van der Goot, 1912a, p. 278.
Populus tremula.
Chaitophorus bruneri Williams. Baker, 1917a, p. 429; Gillette, 1931a,

p. 925; Williams, 1910a, p. 110.
Populus balsamifera, P. tremuloides.

Chaitophorus candicans Thomas. Hunter, 1901a, p. 87.
Populus candicans.

Chaitophorus capreae Koch. Theobald, 1929a, p. 24.
Salix caprea, S. nigricans, S. viminalis.

Chaitophorus coreanus Okamoto and Takahashi. Okamoto, 1927a, p. 143.
Populus tremula.

Chaitophorus delicata Patch. Oestlund 1922a, p. 124; Patch, 1913a, p. 80.
Populus dentatus, P. tremuloides, Salix.

Chaitophorus dorocolus Matsumura. Matsumura, 1919a, p. 113.
Populus sieboldi.

Chaitophorus hickelianae Mimeur. Mimeur, 1931a.
Populus alba.

Chaitophorus hypogeus Del Guercio. Schouteden, 1906a, p. 213.
Salix repens.

Chaitophorus inconspicuus Theobald. Theobald, 1922e, p. 65.
Populus alba.

Chaitophorus jaxarti Nevsky. Nevsky, 1929b, p. 399.
Populus alba, P. bachofenii, P. nigra, P. pyramidalis.

Chaitophorus leucomelas Koch. Van der Goot, 1915a, p. 360; Judenko, 1930a, p. 137; Kessler, 1882a, p. 37; Theobald, 1929a, p. 23; Zirnits, 1927a, p. 250.
Populus alba, P. canadensis, P. italica, P. nigra, P. pyramidalis, Salix amygdalina.

Chaitophorus longipes Tissot. Tissot, 1932b, p. 19.
Salix longipes.

Chaitophorus nassonowi Mordvilko. Judenko, 1930a, p. 137; Wilson, 1918a, p. 113.
Populus nigra, P. pyramidalis.

Chaitophorus neglectus Hottes and Frison. Hottes, 1931b, p. 162.
Populus deltoides, P. grandidentata.

Chaitophorus nigrae Oestlund. Baker, 1917a, p. 429; Cowen, 1895a, p. 117; Jones, 1929a, p. 30; Knowlton, 1932a, p. 109; Oestlund, 1887a, p. 40.
Salix fluviatilis, S. irrorata, S. longifolia, S. nigra.

Chaitophorus populella Gillette and Palmer. Gillette, 1928a, p. 17, 1931a, p. 918; Jones, 1929a, p. 30.
Populus angustifolia, P. balsamifera, P. occidentalis, P. tremuloides.

Chaitophorus populi Linnaeus. Van der Goot, 1915a, p. 365; Hori, 1924a, 1929b, p. 58; Theobald, 1915a, p. 132, 1929a, p. 13.
Populus alba, P. dilatata, P. italica, P. nigra, P. tremula, Salix amygdalina, S. babylonica, S. purpurea.

Chaitophorus populicola Thomas. Gillette, 1909c, p. 388, 1931a, p. 925; Hottes, 1931b, p. 397; Hunter, 1901a, p. 88; Knowlton, 1928e, p. 235; Nevsky, 1929b, p. 399; Patch, 1913a, p. 79; Swain, 1919a, p. 173–174; Williams, 1910a, p. 27.

Populus acuminata, P. angulata, P. angustifolia, P. balsamifera, P. diversifolia, P. monilifera, P. nigra, P. occidentalis, P. tremuloides, Salix fluviatilis.

Chaitophorus populifoliae Oestlund. Gillette, 1931a, p. 919; Hottes, 1931b, p. 163, 397.

Populus deltoides, P. grandidentata, P. heterophylla, P. tremuloides.

Chaitophorus populifolii Essig. Swain, 1919a, p. 33.

Populus fremonti, P. trichocarpa.

Chaitophorus populi-sieboldi Matsumura. Matsumura, 1919a, p. 113.

Populus sieboldi.

Chaitophorus pusillus Hottes and Frison. Hottes, 1931a, p. 164.

Salix amygdaloides.

Chaitophorus sali-apterus Shinji. Shinji, 1927a, p. 39.

Salix.

Chaitophorus salicicola Essig. Essig, 1911c, p. 534; Swain, 1919a, p. 37.

Populus trichocarpa, Salix laevigata, S. nigra.

Chaitophorus salicicolus Matsumura. Matsumura, 1917b, p. 354; Shinji, 1927a, p. 41.

Populus balsamifera, Salix caprea, S. sieboldiana.

Chaitophorus salicivorus Walker. Van der Goot, 1915a, p. 368; Nevsky, 1929b, p. 399; Passerini, 1860a, p. 37; Schouteden, 1906a, p. 213; Theobald, 1929a, p. 18; Zirnits, 1927a, p. 250.

Populus alba, P. tremula, Salix babylonica, S. caprea, S. cinerea, S. lapponum, S. purpurea, S. viminalis.

Chaitophorus salicti Schrank. Judenko, 1930a, p. 138; Lambers, 1931d, p. 3.

Salix daphnoides, S. vitellina.

Chaitophorus salijaponica Essig and Kuwana. Essig, 1918a, p. 85.

Salix multinervis.

Chaitophorus sali-niger Shinji. Shinji, 1927a, p. 48.

Salix.

Chaitophorus tremulae Koch. Theobald, 1929a, p. 15.

Populus tremula.

Chaitophorus viminalis Monell. Baker, 1923a, p. 283; Hottes, 1931b, p. 399; Jones, 1929a, p. 45, 55; Swain, 1919a, p. 34; Weed, 1888a, p. 133; Williams, 1910a, p. 30; Wilson, 1918a, p. 177.

Populus tremuloides, Salix alba, S. babylonica, S. cordata, S. exigua, S. grandidentata, S. longifolia, S. lucida, S. nigra, S. viminalis.

Chaitophorus vitellinae Schrank. Theobald, 1929a, p. 19; Wilson, 1918a, p. 178.

Salix alba, S. babylonica, S. caprea, S. fragilis, S. triandra, S. vitellinae.

Chaitophorus yomefuri Shinji. Hori, 1924a, p. 4.

Populus.

Drepanosiphum smaragdinum Koch. Theobald, 1927a, p. 382.

Populus italica.

Drepanosiphum tiliae Koch. Theobald, 1927a, p. 382.

Populus italica.

Eichotophorus himalayensis Das. Das, 1918a.

Salix tetrasperma.

Fullawaya saliciradicis Essig. Swain, 1919a, p. 35.
Salix laevigata.
Melanoxantherium salicti Harris. Patch, 1913a, p. 86.
Salix.
Melanoxantherium sali-japonica Shinji. Shinji, 1927a, p. 43.
Salix.
Melanoxantherium yezoense Hori. Hori, 1929a, p. 111.
Populus alba, P. Maximowiczii, P. monilifera, P. nigra.
Micrella monelli Essig. Essig, 1912a, p. 720; Swain, 1919a, p. 35.
Salix laevigata, S. lasiolepis.
Neothomasia abditus Hottes. Hottes, 1926a, p. 112.
Salix longifolia.
Neothomasia crucis Essig. Essig, 1912a, p. 745.
Salix macrostachya.
Neothomasia populus-grandidentata Rafinesque. Hottes, 1931a, p. 61; Rafinesque, 1818a.
Populus grandidentata.
Neothomasia salicinigra Knowlton. Knowlton, 1927b, p. 199.
Willow.
Neothomasia utahensis Knowlton. Knowlton, 1928e, p. 234.
Salix.
Paducia antennata Patch. Hottes, 1931b, p. 168; Patch, 1913a, p. 87, 1913b, p. 100.
Host unknown (*Salix* roots?)
Periphyllus brevispinosus Gillette and Palmer. Miller, 1933a, p. 5.
Populus angustifolia.
Periphyllus salicicorticis Essig. Essig, 1911c, p. 734; Gillette, 1931a, p. 925; Swain, 1919a, p. 38.
Salix laevigata.
Plocamaphis braggii Gillette and Palmer. Gillette, 1931a, p. 931.
Salix.
Plocamaphis terricola Hottes and Frison. Hottes, 1931b, p. 174.
Salix.
Pterocomma beulahensis Cockerell. Cockerell, 1904a, p. 263.
Populus tremuloides.
Pterocomma bicolor Oestlund. Baker, 1916a, p. 287; Knowlton, 1935d, p. 192; Oestlund, 1887a, p. 96; Patch, 1913a, p. 85.
Populus balsamifera, Salix lutea.
Pterocomma bituberculata Theobald. Theobald, 1929a, p. 53.
Salix.
Pterocomma coreanum Okamoto and Takahashi. Okamoto, 1927a, p. 141.
Salix.
Pterocomma flocculosa Weed. Essig, 1917a, p. 325; Gillette, 1909c, p. 385; Hottes, 1931b, p. 173; Oestlund, 1922a, p. 122; Schouteden, 1906a, p. 215.
Salix cinerea, S. lasiolepis.
Pterocomma jacksonii Theobald. Jackson, 1922a; Theobald, 1929a, p. 55.
Salix caprea.

Pterocomma media Baker. Baker, 1917a, p. 431; Glendenning, 1929b, p. 55.
Populus, Salix sitchensis.

Pterocomma pilosa Buckton. Kearns, 1935a; Theobald, 1912c, p. 94.
Salix cinerea, S. purpurea, S. vitellina.

Pterocomma populea Kaltenbach. Gillette, 1931a, p. 929; Glendenning, 1929b, p. 55; Judenko, 1931a, p. 137, 138; Kaltenbach, 1843a, p. 117; Passerini, 1863a, p. 337; Schouteden, 1906a, p. 214; Theobald, 1929a, p. 52; Werder, 1931a, p. 79.
Populus balsamifera, P. dilatata, P. italica, P. nigra, P. tremula, Salix alba, S. amygdalina, S. caprea, S. fragilis, S. lasiandra, S. nigricans, S. viminalis, S. vitellina.

Pterocomma populifoliae Fitch. Baker, 1916a, p. 280; Essig, 1917a, p. 327; Gillette, 1931a, p. 933; Knowlton, 1935d, p. 192; Miller, 1933a, p. 3; Swain, 1919a, p. 41.
Populus tremuloides, Salix.

Pterocomma salicis Linnaeus. Buckton, 1879a, p. 23; Cowen, 1895a, p. 117; Gillette, 1909c, p. 387; Glendenning, 1929b, p. 55; Judenko, 1930a, p. 138; Kearns, 1935a; Patch, 1913a, p. 88; Schouteden, 1906a, p. 215; Williams, 1891a, p. 27; Wilson, 1918a, p. 152.
Populus balsamifera, P. candicans, Salix alba, S. amygdalina, S. caprea, S. cinera, S. fragilis, S. longifolia, S. lucida, S. pentandra, S. purpurea, S. scouleriana, S. triandra, S. viminalis, S. vitellina.

Pterocomma smithiae Monell. Baker, 1923a, p. 289; Gillette, 1909c, p. 387; Hottes, 1931b, p. 397; Jones, 1931a, p. 47; Knowlton, 1932a, p. 109; Monell, 1879a, p. 32; Olsen, 1921a, p. 19; Patch, 1913a, p. 86–87; Wilson, 1915c, p. 356.
Populus alba, P. deltoides, P. grandidentata, P. occidentalis, Salix alba, S. fragilis, S. nigra.

Pterocomma steinheili Mordvilko. Mordvilko, 1901a, p. 350; Wilson, 1918a, p. 162.
Populus, Salix alba.

Sipha minuta Tissot. Tissot, 1932b, p. 23.
Salix longipes.

Symydobius macrostachyae Essig. Swain, 1919a, p. 38.
Salix macrostachya.

Tuberocallis saltans Nevsky. Nevsky, 1929b, p. 399.
Populus alba.

APHIDINAE (LACHNINI):

Lachnus(?) salicellis Fitch. Wilson, 1918a, p. 152.
Salix.

Longistigma caryae Harris. Sanborn, 1904a, p. 31; Wilson, 1923a, p. 257.
Populus.

Pterochlorus saligna Gmelin. Kearns, 1935a; Knowlton, 1932a, p. 109; Mordvilko, 1935a, p. 267, 269; Takahashi, 1931a, p. 21; Theobald, 1929a, p. 106; Werder, 1931a, p. 79.
Populus maximowiczii, P. nigra, Salix aegyptica, S. alba, S. babylonica, S. caprea, S. cinerea, S. daphnoides, S. dasyclados, S. elegantissima,

S. fragilis, S. longifolia, S. purpurea, S. regalis, S. tetrasperma, S. triandra, S. viminalis, S. vitellina, S. warburgii.

Pterochlorus viminalis Boyer. Blanchard, 1926a, p. 329; Buckton, 1881a, p. 57; Das, 1918a; Essig, 1912b, p. 772, 1917a, p. 327; Ferrari, 1872a, p. 80; Glendenning, 1925a, p. 38; Del Guercio, 1907a, p. 281, 345; Jones, 1929a, p. 42; Matsumura, 1917b, p. 355; Okamoto, 1927a, p. 145; Swain, 1921a, p. 211; Takahashi, 1923a, p. 136.

Populus nigra, P. maximowiczii, Salix acuminata, S. aegyptica, S. alba, S. babylonica, S. caprea, S. cinerea, S. daphnoides, S. fluviatilis, S. fragilis, S. laevigata, S. lasiandra, S. lasiolepis, S. longifolia, S. macrostachya, S. purpurea, S. sitchensis, S. tetrasperma, S. viminalis, S. vitellina, S. warburgii.

Stomaphis bobretzkyi Mordvilko. Mordvilko, 1901a, p. 411.

Populus nigra.

Stomaphis longirostris Fabricius. Del Guercio, 1907a, p. 259, 344; Theobald, 1929a, p. 120.

Populus nigra, Salix alba, S. viminalis.

Tuberolachnus punctatus Burmeister. Wilson, 1923a, p. 258.

Salix.

ERIOSOMATINAE:

Abamalekia lazarewi Del Guercio. Wilson, 1918a, p. 100.

Populus nigra.

Asiphum pseudobyrsa Walsh. Gillette, 1934a, p. 217; Maxson, 1923a, p. 321; Walsh, 1862a, p. 306; Williams, 1891, p. 9; Wilson, 1918a, p. 138.

Populus alba, P. angulata, P. candicans, P. deltoides, P. fremonti, P. monilifera, P. sargentii.

Asiphum rosettei Maxson. Gillette, 1934a, p. 218.

Populus tremuloides.

Asiphum sacculi Gillette. Gillette, 1914b, p. 65, 1934a, p. 218.

Populus angustifolia, P. tremuloides.

Asiphum tremulae DeGeer. Tullgren, 1909a, p. 66, 68.

Populus canescens, P. tremula.

Asiphum varsoviensis Mordvilko. Tullgren, 1925a, p. 16, 17.

Populus alba.

Cornaphis populi Gillette. Gillette, 1913b, p. 491.

Populus angustifolia.

Gootiella tremulae Tullgren. Tullgren, 1925a, p. 26.

Populus tremula.

Mordwilkoja vagabundus Walsh. Gillette, 1914b, p. 67, 1934a, p. 221; Maxson, 1923a, p. 325; Oestlund, 1926a, p. 75.

Populus deltoides, P. occidentalis, P. sargentii.

Pachypappa grandis Tullgren. Tullgren, 1925a, p. 19.

Populus tremula.

Pachypappa vesicalis Koch. Mordvilko, 1935a, p. 104; Tullgren, 1925a, p. 15.

Populus alba.

Pachypappella caudelli Macdougall. Macdougall, 1926a, p. 120.
Populus tremuloides, P. trichocarpa.

Pachypappella lactea Tullgren. Macdougall, 1926a, p. 119; Tullgren, 1909a, p. 72, 1925a, p. 11.
Populus tremula.

Pemphigus balsamiferae Williams. Gillette, 1934a, p. 223.
Populus angustifolia, P. balsamifera.

Pemphigus betae Doane. Maxson, 1918a, p. 232, 234; Parker, 1914a, p. 138.
Populus angustifolia, P. balsamifera, P. occidentalis.

Pemphigus bursarius Linnaeus. Van der Goot, 1915a, p. 468; Mordvilko, 1935a, p. 70; Patch, 1913a, p. 78; Tullgren, 1909a, p. 122; Werder, 1931a, p. 79.
Populus berolinensis, P. deltoides, P. italica, P. monilifera, P. nigra, P. pyramidalis.

Pemphigus borealis Tullgren. Mordvilko, 1935a, p. 71; Tullgren, 1925a, p. 31.
Populus laurifolia.

Pemphigus dorocola Matsumura. Matsumura, 1917a, p. 85; Monzen, 1929a.
Populus balsamifera, P. maximowiczii.

Pemphigus filaginis Boyer. Van der Goot, 1915a, p. 473; Mordvilko, 1935a, p. 78; Tullgren, 1909a, p. 136; Werder, 1931a, p. 79.
Populus canadensis, P. italica, P. monilifera, P. nigra, P. pyramidalis.

Pemphigus glandiformis Rudow. Rudow, 1875a.
Populus dilatata.

Pemphigus globulosus Theobald. Hall, 1926a, p. 46; Theobald, 1915a, p. 149.
Populus.

Pemphigus imaicus Cholodkovsky. Cholodkovsky, 1912a, p. 495.
Populus ciliata.

Pemphigus immunis Buckton. Buckton, 1896a, p. 51.
Aspens.

Pemphigus juncti-sensoriatus Maxson. Gillette, 1934a, p. 224; Maxson, 1934a, p. 35.
Populus deltoides, P. sargentii.

Pemphigus lactucae Fitch. Cutright, 1925a, p. 201.
Salix.

Pemphigus lactucarius Passerini. Nevsky, 1929b, p. 399.
Populus nigra, P. pyramidalis.

Pemphigus lichtensteini Tullgren. Tullgren, 1909a, p. 151.
Populus.

Pemphigus longicornus Maxson. Maxson, 1923a, p. 328.
Populus deltoides.

Pemphigus matsumurai Monzen. Monzen, 1927a.
Populus maximowiczii.

Pemphigus monophagus Maxson. Gillette, 1934a, p. 225; Maxson, 1934a, p. 40.
Populus angustifolia, P. balsamifera, P. trichocarpa.

Pemphigus mordwilkoi Cholodkovsky. Cholodkovsky, 1912a, p. 493.
Populus ciliata.

Pemphigus nainitalensis Cholodkovsky. Cholodkovsky, 1912a, p. 494.
Populus ciliata.

Pemphigus napaeus Buckton. Buckton, 1896a, p. 50.
Populus nigra.

Pemphigus niisimae Matsumura. Matsumura, 1917a, p. 86; Monzen, 1929a.
Populus balsamifera, P. maximowiczii.

Pemphigus nortonii Maxson. Gillette, 1934a, p. 225; Hottes, 1931b, p. 397.
Populus deltoides, P. sargentii.

Pemphigus popularius Fitch. Hunter, 1901a, p. 78.
Populus.

Pemphigus populi Courchet. Bayer, 1914a, p. 52; Schouteden, 1906a, p. 199.
Populus nigra, P. pyramidalis.

Pemphigus populi-caulis Fitch. Davidson, 1915a, p. 420; Essig, 1912a, p. 712; Gillette, 1934a, p. 226; Jackson, 1908a, p. 193; Maxson, 1929a, p. 255; Patch, 1913a, p. 77.
Populus acuminata, P. balsamifera, P. deltoides, P. fremonti, P. monilifera, P. sargentii, P. tremuloides, P. trichocarpa.

Pemphigus populi-globuli Fitch. Jackson, 1908a, p. 197; Maxson, 1929a, p. 255.
Populus angustifolia, P. balsamifera, P. trichocarpa.

Pemphigus populi-ramulorum Riley. Gillette, 1934a, p. 228; Jackson, 1908a, p. 209.
Populus balsamifera, P. fremonti, P. sargentii.

Pemphigus populi-transversus Riley. Blanchard, 1926a, p. 337; Gillette, 1934a, p. 228; Jones, 1918a, p. 580, 581; Mordvilko, 1930a, p. 50.
Populus balsamifera, P. canadensis, P. deltoides, P. fremonti, P. monilifera, P. sargentii, P. trichocarpa.

Pemphigus populi-venae Fitch. Hottes, 1931b, p. 368; Maxson, 1929a, p. 264, 266.
Populus angustifolia, P. balsamifera, P. deltoides, P. trichocarpa.

Pemphigus protospirae Lichtenstein. Tullgren, 1909a, p. 155.
Populus pyramidalis.

Pemphigus? rileyi Stebbins. Stebbins, 1910a, p. 9.
Populus tremuloides.

Pemphigus salicis Lichtenstein. Wilson, 1918a, p. 153.
Salix.

Pemphigus spirothecae Passerini. Theobald, 1929a, p. 256; Tullgren, 1909a, p. 161; Werder, 1931a, p. 79.
Populus italica, P. nigra, P. pyramidalis.

Pemphigus tortuosus Rudow. Rudow, 1875a.
Populus nigra.

Pemphigus vesicarius Passerini. Mordvilko, 1935a, p. 136.
Populus nigra, P. pyramidalis.

Pemphigus yanagi Shinji. Shinji, 1928a.
Salix urbaniana.

Phloeomyzus passerinii Signoret. Hall, 1926a, p. 46; Theobald, 1929a, p. 271.
Populus alba.
Phloeomyzus redelei Lambers. Lambers, 1931b, p. 4.
Populus nigra.
Stagonia vesicalis Rudow. Rudow, 1875a, p. 249.
Populus balsamifera.
Thecabius affinis Kaltenbach. Van der Goot, 1915a, p. 460; Mordvilko, 1935a, p. 62–67; Theobald, 1929a, p. 223; Tullgren, 1909a, p. 110.
Populus maximowiczii, P. monilifera, P. nigra, P. pyramidalis, P. suaveolens.
Thecabius californicus Davidson. Swain, 1919a, p. 145.
Populus.
Thecabius gravicornis Patch. Maxson, 1923a, p. 325; Patch, 1913a, p. 75.
Populus balsamifera.
Thecabius lysimachiae Borner. Mordvilko, 1935a, p. 70.
Populus nigra.
Thecabius patchii Gillette. Gillette, 1913b, p. 61.
Populus balsamifera.
Thecabius populi-conduplifolius Cowen. Gillette, 1914b, p. 61, 63; Jackson, 1908a, p. 217; Maxson, 1929a, p. 252.
Populus balsamifera, P. deltoides, P. monilifera, P. occidentalis, P. trichocarpa.
Thecabius populi-monilis Riley. Davidson, 1910a, p. 374; Gillette, 1913b, p. 485, 486; Patch, 1913a, p. 75.
Populus angustifolia, P. balsamifera, P. fremonti, P. trichocarpa.

HORMAPHIDINAE:
Doraphis populi Matsumura and Hori. Hori, 1929a, p. 115.
Populus maximowiczii.
Doraphis populi tremulae Mordvilko. Mordvilko, 1935a, p. 263.
Populus tremula.
Hormaphis populi Takahashi. Hori, 1924a, p. 5.
Populus.

PHYLLOXERIDAE (Adelginae and Phylloxerinae):
Chermes populi Gillette. Gillette, 1914a, p. 269.
Populus.
Guercioja populi Del Guercio. Mordvilko, 1908a, p. 361.
Populus alba.
Phylloxera popularia Pergande. Davidson, 1915a, p. 420; Pergande, 1904b, p. 266.
Populus fremonti, P. trichocarpa.
Phylloxera prolifera Oestlund. Oestlund, 1887a, p. 17; Williams, 1891a, p. 9.
Populus monilifera.
Phylloxera salicis Lichtenstein. Van der Goot, 1915a, p. 564.
Salix babylonica.

Phylloxera salicicola Pergande. Davidson, 1915a, p. 419; Ferris, 1919a, p. 105; Pergande, 1904b, p. 269.
Populus candicans, P. trichocarpa, Salix discolor?, S. humilis?, S. lasiolepis.

MYRICACEAE

SWEET GALE FAMILY

Cepegillettea myricae Patch. Baker, 1923a, p. 275; Granovsky, 1928b, p. 119; Patch, 1923b, p. 275.
Myrica asplenifolia.
Greenidea myricae Takahashi. Takahashi, 1925a, p. 33.
Myrica rubra.
Myzocallis myricae Kaltenbach. Theobald, 1927a, p. 348.
Myrica gale.

JUGLANDACEAE

WALNUT FAMILY

APHIDINAE (APHIDINI):
Aphis juglandiana Walker. Wilson, 1919a, p. 95.
Juglans nigra, J. regia.
Aphis juglandis Blanchard. Wilson, 1918a, p. 95.
Juglans regia.
Aphis odinae van der Goot. Okamoto, 1927a, p. 138.
Juglans sieboldiana.
Aphis spiraecola Patch. Patch, 1923a, p. 50, 1929a, p. 698.
Juglans.
Macrosiphum fallacis Nevsky. Nevsky, 1929b, p. 66.
Juglans fallax.

APHIDINAE (CALLIPTERINI):
Callipterus californicus Essig. Swain, 1919a, p. 29.
Juglans californica.
Callipterus juglandicola Koch. Koch, 1857a, p. 225; Wilson, 1918a, p. 95.
Juglans regia.
Callipterus juglandis Frisch. Judenko, 1930a, p. 136; Theobald, 1927a, p. 362.
Juglans regia.
Callipterus juglandis Goetze. Wilson, 1918a, p. 95.
Juglans regia.
Chromaphis juglandicola Kaltenbach. Gillette, 1910a, p. 367; Knowlton, 1935d, p. 191; Theobald, 1927a, p. 358.
Juglans regia.
Kurisakia juglandicola Takahashi. Takahashi, 1924b, p. 716.
Juglans sieboldiana.

Melanocallis caryaefoliae Davis. Bissell, 1932a, p. 733.
Hickory.
Monellia caryae Monell. Baker, 1923a, p. 279; Gillette, 1910a, p. 367, 1931a, p. 895; Monell, 1879a, p. 31.
Carya alba, C. illinoensis, Juglans nigra, J. regia.
Monellia caryella Fitch. Davidson, 1914b, p. 1; Hottes, 1931b, p. 391, 395; Mason, 1921a, p. 24.
Carya illinoensis, C. ovata, Hicoria, Juglans californica, J. nigra.
Monellia costalis Fitch. Baker, 1917a, p. 424; Hottes, 1931b, p. 391, 395.
Carya ovata, Juglans nigra.
Monellia maculella Fitch. Gillette, 1910a, p. 368.
Carya alba, Juglans nigra.
Monellia marginella Fitch. Gillette, 1910a, p. 368.
Carya alba.
Monellia nigropunctata Granovsky. Hottes, 1931b, p. 391, 395.
Carya illinoensis, C. ovata, Juglans nigra.
Myzocallis fumipennellus Fitch. Bissell, 1928a, p. 551.
Hicoria.
Myzocallis punctatellus Fitch. Fitch, 1855a, p. 165; (Baker, 1917a, p. 420).
Hickory, Walnut.
Tuberocorpus onigurumi Shinji. Shinji, 1932a.
Juglans.

APHIDINAE (LACHNINI) AND (THELAXINI):

Glyphina pterocaryae Monzen. Monzen, 1927a.
Pterocarya rhoifolia.
Longistigma caryae Harris. Hottes, 1931b, p. 391; Wilson, 1923a, p. 257.
Carya alba, C. cordiformis, C. glabra, C. illinoensis, Juglans nigra.

PHYLLOXERIDAE:

Phylloxera caryae Fitch. Hunter, 1901a, p. 70.
Carya alba.
Phylloxera caryae-avellana Riley. Pergande, 1904b, p. 228; Wilson, 1918a, p. 51.
Carya alba, C. ovata, Hicoria tomentosa.
Phylloxera caryaecaulis Fitch. Pergande, 1904b, p. 244, 246.
Hicoria amara, H. glabra, H. tomentosa.
Phylloxera caryae-fallax Riley. Pergande, 1904b, p. 215.
Hicoria alba.
Phylloxera caryaefoliae Fitch. Pergande, 1904b, p. 195.
Hicoria glabra.
Phylloxera caryae-globuli Walsh. Pergande, 1904b, p. 223.
Carya alba.
Phylloxera caryae-gummosa Riley. Pergande, 1904b, p. 239.
Hicoria alba.
Phylloxera caryae-ren Riley. Pergande, 1904b, p. 257.
Hicoria glabra.

Phylloxera caryae-scissa Riley. Pergande, 1904b, p. 257.
Hicoria alba, H. tomentosa.
Phylloxera caryae-semen Walsh. Pergande, 1904b, p. 213.
Hicoria glabra.
Phylloxera caryae-septum Shimer. Pergande, 1904b, p. 213.
Hicoria alba.
Phylloxera caryae-septum Shimer, var. **perforans** Pergande. Pergande, 1904a, p. 194.
Hicoria glabra.
Phylloxera caryaevenae Fitch. Pergande, 1904b, p. 240.
Hicoria tomentosa.
Phylloxera conica Shimer. Pergande, 1904b, p. 226.
Hicoria amara.
Phylloxera deplanta Pergande. Pergande, 1904b, p. 205.
Hicoria tomentosa.
Phylloxera depressa Shimer. Pergande, 1904b, p. 208.
Carya alba.
Phylloxera devastatrix Pergande. Pergande, 1904b, p. 248.
Hicoria olivaeformis.
Phylloxera fallax (Morgan, 1909a, p. 244). Morgan, 1909a, p. 244.
Hickories.
Phylloxera foveata Shimer. Pergande, 1904b, p. 209.
Carya amara.
Phylloxera foveola Pergande. Pergande, 1904b, p. 200.
Hicoria glabra.
Phylloxera georgiana Pergande. Pergande, 1904b, p. 149; Wilson, 1918a, p. 82.
Carya illinoensis.
Phylloxera gibbosa Shimer. Hunter, 1901a, p. 72.
Carya glabra.
Phylloxera globosa Shimer. Pergande, 1904b, p. 238.
Carya amara.
Phylloxera intermedia Pergande. Pergande, 1904b, p. 199.
Hicoria alba.
Phylloxera minimum Shimer. Pergande, 1904b, p. 210; Shimer, 1869b, p. 390, 391.
Carya amara.
Phylloxera notabilis Pergande. Pergande, 1904b, p. 235.
Hicoria olivaeformis.
Phylloxera perniciosa Pergande. Pergande, 1904b, p. 251.
Hicoria tomentosa.
Phylloxera picta Pergande. Pergande, 1904b, p. 198.
Hicoria tomentosa.
Phylloxera pilosula Pergande. Pergande, 1904b, p. 203.
Hicoria glabra.
Phylloxera purpurea Pergande. Pergande, 1904b, p. 233.
Hicoria tomentosa.

Phylloxera rimosalis Pergande. Pergande, 1904b, p. 217.
Hicoria tomentosa.
Phylloxera spinuloides Pergande. Pergande, 1904b, p. 248.
Hickory.
Phylloxera subelliptica Shimer. Pergande, 1904b, p. 250; Shimer, 1869b, p. 386, 389.
Carya alba.
Phylloxera symmetrica Pergande. Pergande, 1904b, p. 230.
Hicoria tomentosa.
Phylloxera vasculosa Pergande. Pergande, 1904b, p. 233.
Hicoria tomentosa.

BETULACEAE

BIRCH FAMILY.

APHIDINAE (APHIDINI):
Amphorophora alni Mason. Mason, 1925a, p. 9.
Alnus incana.
Amphorophora corylina Davidson. Mason, 1925a, p. 16.
Corylus rostrata (doubtful).
Amphorophora halli Knowlton. Knowlton, 1927a, p. 185.
Betula fontinalis.
Capitophorus avellanae Schrank. Theobald, 1926a, p. 253.
Corylus avellana, Cob, Filbert.
Capitophorus tetrarhoda Walker. Ferrari, 1872a, p. 61.
Corylus avellana.
Hannabura alnicola Matsumura. Matsumura, 1917b, p. 355, 1919a, p. 107.
Alnus incana, A. japonica.
Macrosiphum carpinicolens Patch. Patch, 1919b, p. 209.
Carpinus caroliniana.
Macrosiphum coryli Davis. Davis, 1914a, p. 51; Glendenning, 1925a, p. 37.
Corylus americana, C. californica.
?Macrosiphum geranii Oestlund. Osborn, 1893a, p. 236.
Ostrya virginiana.
Macrosiphum pseudocoryli Patch. Patch, 1919b, p. 213.
Ostrya virginiana.

APHIDINAE (CALLIPTERINI):
Betacallis alnicolens Matsumura. Matsumura, 1919a, p. 111.
Alnus japonica.
Betulaphis occidentalis Glendenning. Glendenning, 1926a, p. 97.
Betula occidentalis.
Calaphis alni Baker. Baker, 1916b, p. 188.
Alnus.
Calaphis betulaecolens Fitch. Davis, 1909a, p. 30; Gillette, 1910a, p. 369, 371, 1931a, p. 901; Hottes, 1931b, p. 390; Olsen, 1921a, p. 18.
Alnus tenuifolia, Betula alba, B. fontinalis, B. lutea, B. pendula.

Calaphis betulella Walsh. Hottes, 1931b, p. 300; Walsh, 1862a, p. 302.
Betula alba, B. nigra.

Callipterinella betularia Kaltenbach. Van der Goot, 1915a, p. 207; Zirnits, 1927a, p. 248.
Betula alba, B. verrucosa.

Callipterus betulae Koch. Judenko, 1930a, p. 135; Koch, 1857a, p. 217; Schouteden, 1906a, p. 211; Wilson, 1918a, p. 42.
Betula alba, B. fontinalis, B. verrucosa.

Callipterus giganteus Cholodkovsky. Cholodkovsky, 1800a, p. 474; Werder, 1931a, p. 79.
Alnus glutinosa.

Callipterus tuberculata Heyden. Wilson, 1918a, p. 170.
Betula alba, B. nigra.

Cepegillettea betulaefoliae Granovsky. Granovsky, 1028b, p. 118, 119; Hottes, 1931b, p. 390.
Betula occidentalis, B. papyrifera, B. pumila.

Chaitophorus betulae Buckton. Theobald, 1929a, p. 350.
Betula alba.

Chaitophorus betulinus van der Goot. Van der Goot, 1915a, p. 356; Theobald, 1929a, p. 26.
Betula alba.

Chromaphis carpinicola Takahashi. Takahashi, 1923a, p. 127.
Carpinus japonica, C. yedoensis.

Euceraphis alniaria Matsumura. Matsumura, 1917b, p. 371, 1919a, p. 100.
Alnus japonica, Betula japonica.

Euceraphis betulae Linnaeus. Essig, 1917a, p. 322, 323; Gillette, 1910a, p. 371; van der Goot, 1915a, p. 335; Olsen, 1921a, p. 18; Theobald, 1927a, p. 375; Zirnits, 1927a, p. 249–250.
Betula alba, B. fontinalis, B. lutea, B. papyrifera, B. populifolia, B. pubescens, B. verrucosa, Corylus avellana.

Euceraphis betulifoliae Shinji. Shinji, 1927a, p. 23.
Betula.

Euceraphis brevis Baker. Baker, 1917a, p. 426.
Betula.

Euceraphis deducta Baker. Baker, 1917a, p. 427.
Betula.

Euceraphis flava Davidson. Davidson, 1915a, p. 423; Gillette, 1931a, p. 903; Knowlton, 1929a, p. 4, 1935d, p. 191.
Alnus oregona, A. rhombifolia, A. tenuifolia.

Euceraphis gillettei Davidson. Davidson, 1915a, p. 423; Gillette, 1931a, p. 905.
Alnus rhombifolia, A. tenuifolia, Betula fontinalis.

Euceraphis kabae Matsumura. Matsumura, 1917b, p. 370, 1919a, p. 100.
Betula japonica.

Euceraphis lineata Baker. Baker, 1917a, p. 426.
Betula populifolia.

Euceraphis mucida Fitch. Baker, 1917a, p. 425, 1923a, p. 279.
Betula lenta, B. populifolia.

Euceraphis pilosa Nevsky. Nevsky, 1929b, p. 330.
Betula alba.
Euceraphis sitchensis Glendenning. Glendenning, 1926a, p. 98, 1929b, p. 55.
Alnus glutinosa, A. sitchensis.
Mimocallis betuli-japonicae Matsumura. Matsumura, 1919a, p. 109.
Betula japonica.
Monaphis antennata Kaltenbach. Theobald, 1927a, p. 397.
Betula alba.
Myzocallis alni DeGeer. Davis, 1910d, p. 416; Glendenning, 1928a; Granovsky, 1928a, p. 552; Theobald, 1927a, p. 331, 337.
Alnus glutinosa, A. oregona, A. rhombifolia, Carpinus betulus.
Myzocallis alnifoliae Fitch. Granovsky, 1928a, p. 555.
Alnus incana, A. rubra, A. rugosa, A. serrulata.
Myzocallis coryli Goetze, Essig, 1917a, p. 324; Hottes, 1931b, p. 392; Theobald, 1927a, p. 335.
Carpinus betulus, Corylus americana, C. avellana, C. maxima.
Myzocallis minimus van der Goot. Theobald, 1927a, p. 354; Zirnits, 1927a, p. 249.
Alnus incana, Betula alba, B. pubescens, B. verrucosa.
Myzocallis pseudoalni Takahashi. Granovsky, 1928a, p. 560; Takahashi, 1921a, p. 72, 1931a, p. 83.
Alnus formosana.
Myzocallis quercicola Matsumura. Baker, 1920a, p. 29; Matsumura, 1917b, p. 369.
Alnus incana.
Myzocallis rhombifoliae Granovsky. Granovsky, 1928a, p. 558.
Alnus incana, A. rhombifolia.
Myzocallis sawashibae Matsumura. Matsumura, 1917b, p. 354.
Carpinus cordata.
Myzocallis tuberculata DeGeer. Mordvilko, 1935a, p. 230.
Alnus incana.
Neocallis carpinicola Matsumura. Matsumura, 1919a, p. 105.
Carpinus cordata.
Neochromaphis carpini Takahashi. Takahashi, 1923a, p. 128.
Carpinus japonica.
Recticallis alni-japonicae Matsumura. Matsumura, 1919a, p. 106.
Alnus japonica.
Neosymydobius annulatus Koch. Gillette, 1931a, p. 902; Hottes, 1931b, p. 262; Judenko, 1930a, p. 135; Knowlton, 1935d, p. 191; Theobald, 1927a, p. 381.
Betula alba, B. papyrifera, B. pendula, B. pubescens, B. verrucosa.
Subcallipterus alni Fabricius. Judenko, 1930a, p. 135; Zirnits, 1927a, p. 249.
Alnus glutinus, A. incana.
Symydobius alter Mordvilko. Mordvilko, 1908a, p. 378.
Betula pubescens.
Symydobius americanus Baker. Baker, 1918c, p. 318; Patch, 1910a, p. 245.
Betula alba.

Symydobius intermedius Gillette and Palmer. Gillette, 1931a, p. 897.
Betula fontinalis.

Symydobius oblongus Heyden. Theobald, 1927a, p. 379; Zirnits, 1927a, p. 250.
Betula alba, B. verrucosa.

Therioaphis betulicola Kaltenbach. Schouteden, 1906a, p. 211; Theobald, 1927a, p. 372; Zirnits, 1927a, p. 248.
Betula alba, B. papyracea, B. pubescens, B. verrucosa.

APHIDINAE (LACHNINI, THELAXINI):

Glyphina alni Schrank. Van der Goot, 1915a, p. 427; Theobald, 1929a, p. 79.
Alnus glutinosa, A. incana, Betula alba.

Glyphina betulae Kaltenbach. Zirnits, 1927a, p. 252.
Alnus incana, Betula verrucosa.

Pterochlorus tropicalis van der Goot. Takahashi, 1923a, p. 136.
Betula alba.

ERIOSOMATINAE AND HORMAPHIDINAE:

Hamamelistes betulae Mordvilko. Mordvilko, 1935a, p. 252; Tullgren, 1909a, p. 58; Zirnits, 1927a, p. 252.
Betula alpestris, B. verrucosa.

Hamamelistes betulinus Horvath. Mordvilko, 1935a, p. 239.
Betula alba, B. alpestris, B. pubescens, B. verrucosa.

Hamamelistes shirakabae Monzen. Monzen, 1927a.
Betula japonica.

Hamamelistes spinosus Shimer. Gillette, 1909c, p. 353; Hottes, 1931b, p. 390; Lutz, 1928a, p. 2; Mordvilko, 1935a, p. 233; Oestlund, 1887a, p. 20; Pergande, 1901a, p. 36.
Betula alba, B. fontinalis, B. nigra, B. papyracea, B. pendula, B. pumila.

Hamamelistes tullgreni de Meyere. Van der Goot, 1915a, p. 433.
Betula alba.

Hormaphis hamamelidis Fitch. Mordvilko, 1935a, p. 247, 249; Pergande, 1901a, p. 8.
Betula nigra, B. papyracea, B. spinosa.

Paraprociphilus baicalensis Cholodkovsky. Cholodkovsky, 1922a; Mordvilko, 1935a, p. 100.
Alnus fruticosa, A. hirsuta, A. viridis.

Pemphigus ephemeratus Hottes and Frison. Hottes, 1931b, p. 366.
Betula nigra.

Prociphilus tessellata Fitch. Patch, 1908a, p. 484, 1911a, p. 245; Pergande, 1912a, p. 27.
Alnus incana, A. rubra, A. rugosa.

FAGACEAE

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APHIDINAE (APHIDINI):

Aphis castanea-vesca Haldeman. Wilson, 1918a, p. 53.
Castanea pulmina, C. vesca.

Aphis fabi Scopoli. Judenko, 1930a, p. 136.
Fagus sylvatica.
Aphis hirticornis Walker. Wilson, 1918a, p. 89.
Quercus.
Aphis malvae Walker. Wilson, 1918a, p. 107.
Quercus.
Aphis pallipes Hartig. Wilson, 1918a, p. 121.
Fagus.
Aphis quercus-monticula Haldeman. Wilson, 1918a, p. 142.
Quercus.
Cervaphis quercus Takahashi. Okamoto, 1927a, p. 140; Takahashi, 1923a, p. 118, 169.
Castanea, Quercus acutissima, Q. serrata, Q. variabilis.
Macrosiphum kuricola Matsumura. Hori, 1929b, p. 55; Matsumura, 1917b, p. 394.
Castanea crenata, C. sativa, Quercus grosseserrata.

APHIDINAE (CALLIPTERINI):
Acanthocallis quercicola Matsumura. Matsumura, 1917b, p. 369.
Quercus grosseserrata.
Arakawana stigmata Matsumura. Matsumura, 1917b, p. 376.
Quercus glandulifera.
Calaphis castaneae Fitch. Baker, 1923a, p. 277.
Castanea.
Calaphis castaneoides Baker. Baker, 1916b, p. 188; Hottes, 1931b, p. 391; Tissot, 1932a, p. 8.
Castanea dentata, C. nana.
Calaphis nanae Tissot. Tissot, 1932a, p. 9.
Castanea nana.
Callipterus? quercicola Monell. Granovsky, 1933a, p. 30; Monell, 1879a, p. 31; Wilson, 1918a, p. 141.
Quercus.
Chaitophorus quercicola Monell. Davis, 1910d, p. 415; Granovsky, 1933a, p. 33; Monell, 1879a, p. 32; Wilson, 1918a, p. 141.
Quercus alba, Q. borealis, Q. macrocarpa, Q. obtusiloba, Q. prinus, Q. velutina.
Chaitophorus quercifoliae Fitch. Wilson, 1918a, p. 142.
Quercus alba.
Drepanosiphum? quercifolii Walsh. Thomas, 1879a, p. 79.
Quercus.
Lachnochaitophorus bisselli Granovsky. Granovsky, 1933a, p. 40.
Quercus nigra.
Lachnochaitophorus querceus Granovsky. Granovsky, 1933a, p. 38.
Quercus borealis, Q. velutina.
Mesocallis fagicola Matsumura. Matsumura, 1919a, p. 104.
Fagus sylvatica.

Myzocallis alhambra Davidson. Davidson, 1920a, p. 176; Hottes, 1931b, p. 398.
Quercus alba, Q. bicolor, Q. engelmanni, Q. macrocarpa.

Myzocallis alni DeGeer. Miller, 1933d, p. 107.
Quercus macrocarpa.

Myzocallis annulata Hartig. Theobald, 1927a, p. 331, 350; Werder, 1931a, p. 80.
Castanea pumila, C. vesca, Quercus ilex, Q. pubescens, Q. robur, Q. sessiliflora.

Myzocallis bellus Walsh. Baker, 1917a, p. 423, 1923a, p. 281; Essig, 1915a, p. 199; Gillette, 1910a, p. 368; van der Goot, 1915a, p. 303; Miller, 1933d, p. 107.
Quercus agrifolia, Q. alba, Q. cerris, Q. coccinea, Q. ilicifolia, Q. macrocarpa, Q. robur, Q. rubra.

Myzocallis boudyi Mimeur. Mimeur, 1934a.
Quercus ilex.

Myzocallis californicus Baker. Baker, 1917a, p. 421; Davidson, 1919b, p. 248.
Quercus dumosa, Q. lobata.

Myzocallis capitata Essig and Kuwana. Essig, 1918a, p. 90; Takahashi, 1923a, p. 123.
Castanea vulgaris, Q. serrata, Q. variabilis.

Myzocallis castanicola Baker. Baker, 1917a, p. 424; Blanchard, 1935a; Theobald, 1927a, p. 331, 340; Zeck, 1933a.
Castanea crenata, C. pumila, C. sativa, C. vesca, Quercus robur.

Myzocallis discolor Monell. Baker, 1923a, p. 280; Gillette, 1931a, p. 890; Hottes, 1931b, p. 398; Jones, 1929a, p. 38; Knowlton, 1929c, p. 39; Monell, 1879a, p. 30; Oestlund, 1887a, p. 41; Olsen, 1921a, p. 18.
Quercus alba, Q. bicolor, Q. coccinea, Q. gambellii, Q. macrocarpa, Q. palustris, Q. prinus, Q. utahensis.

Myzocallis edwardsi Laing. Laing, 1927c, p. 23.
Nothofagus.

Myzocallis kashiwae Matsumura. Matsumura, 1917b, p. 353.
Quercus dentata.

Myzocallis kuricola Matsumura. Essig, 1918a, p. 93; Okamoto, 1927a, p. 143; Takahashi, 1923a, p. 124.
Castanea mollissima, C. pubinervis, C. sativa, C. vulgaris, Quercus acutissima, Q. serrata, Q. variabilis.

Myzocallis macrotuberculata Essig and Kuwana. Essig, 1918a, p. 92.
Quercus dentata.

Myzocallis maureri Swain. Swain, 1919a, p. 26.
Quercus agrifolia, Q. kelloggii.

Myzocallis naracola Matsumura. Matsumura, 1919a, p. 103.
Quercus grosseserrata.

Myzocallis nigra Okamoto and Takahashi. Okamoto, 1927a, p. 143.
Quercus dentata.

Myzocallis pasaniae Davidson. Davidson, 1915a, p. 427.
Pasania densiflora.

Myzocallis pilosus Takahashi. Takahashi, 1929b, p. 259.
Quercus.
Myzocallis punctatellus Fitch. Baker, 1917a, p. 421; Hottes, 1931b, p. 308.
Quercus alba, Q. macrocarpa, Q. velutina.
Myzocallis punctatus Monell. Hottes, 1931b, p. 398; Swain, 1919a, p. 26.
Quercus imbricata, Q. marylandica, Q. palustris.
Myzocallis quercifolii Davidson. Davidson, 1919b, p. 247.
Quercus douglasii.
Myzocallis querciplatensis Blanchard. Blanchard, 1926, p. 327.
Quercus.
Myzocallis walshii Monell. Baker, 1917a, p. 423; Gillette, 1910a, p. 368; Hottes, 1931b, p. 398.
Quercus alba, Q. bicolor, Q. imbricaria, Q. palustris, Q. rubra, Q. velutina.
Myzocallis yokoyamai Takahashi. Takahashi, 1923a, p. 120.
Quercus crispula, Q. glandulifera.
Neosymydobius luteus Tissot. Tissot, 1932a, p. 11.
Quercus cinerea, Q. nigra.
Neosymydobius memorialis Hottes and Frison. Hottes, 1931b, p. 264.
Quercus stellata.
Neosymydobius mimicus Hottes. Hottes, 1926a, p. 112.
Quercus alba.
Patchia obscura Tissot. Tissot, 1932b, p. 22.
Quercus michauxii, Q. nigra.
Patchia virginiana Baker. Baker, 1920a, p. 34.
Chestnut.
Patchia winforli Miller. Miller, 1933b, p. 184.
Quercus palustris.
Phyllaphis fagi Linnaeus. Baker, 1923a, p. 287; Essig, 1917a, p. 321; Gillette, 1909c, p. 385; Hottes, 1931b, p. 393; Monzen, 1929a; Theobald, 1927a, p. 393.
Fagus ferruginea, F. grandifolia, F. japonica, F. sylvatica, F. sylvestris, F. tricolor.
Phyllaphis fagifoliae Takahashi. Takahashi, 1923a, p. 133.
Fagus.
Phyllaphis niger Ashmead. Wilson, 1918a, p. 114.
Quercus phellos.
Ptychodes quercicola Matsumura. Matsumura, 1919a, p. 102.
Quercus dentata.
Stegophylla quercicola Baker. Gillette, 1931a, p. 886; Hottes, 1931b, p. 398; Knowlton, 1928a, p. 267; Oestlund, 1922a, p. 146.
Quercus agrifolia, Q. alba, Q. gambellii, Q. macrocarpa, Q. stellata, Q. wizlensis.
Stegophylla quercifoliae Gillette. Gillette, 1931a, p. 886.
Quercus undulata.
Symydobius agrifoliae Essig. Essig, 1917a, p. 313; Swain, 1919a, p. 38.
Quercus agrifolia.

Symydobius albasiphus Davis. Davis, 1914a, p. 226; Hottes, 1931b, p. 398; Miller, 1933d.
Quercus alba, Q. macrocarpa, Q. palustris, Q. stellata.

Symydobius chrysolepis Swain. Swain, 1919a, p. 38.
Quercus chrysolepis.

Tuberculatus querceus Kaltenbach. Buckton, 1881a, p. 26; Judenko, 1930a, p. 137; Kaltenbach, 1843a, p. 136; Schouteden, 1906a, p. 211; Theobald, 1927a, p. 351; Wilson, 1918a, p. 141.
Quercus robur.

Tuberculatus quercus Kaltenbach. Buckton, 1881a, p. 22; Judenko, 1930a, p. 137; Kaltenbach, 1843a, p. 98; Schouteden, 1906a, p. 211; Wilson, 1918a, p. 142; Zirnits, 1927a, p. 249.
Quercus douglasii, Q. ilex, Q. kelloggii, Q. lobata, Q. pedunculata, Q. robur, Q. sessiliflora.

Tuberculoides querciformosanus Takahashi. Takahashi, 1931a, p. 82.
Quercus dentata, Q. variabilis.

APHIDINAE (LACHNINI):

Anoecia oenotherae Wilson. Hottes, 1931b, p. 391.
Castanea dentata.

Anoecia querci Fitch. Baker, 1916g, p. 361; Fitch, 1859a, p. 804.
Quercus.

Dilachnus quercihabitans Takahashi. Okamoto, 1927a, p. 145; Takahashi, 1924b, p. 717.
Quercus acutissima, Q. serrata.

Lachniella montana Wilson. Wilson, 1919b, p. 42.
Oak.

Lachnus allegheniensis McCook. Wilson, 1918a, p. 31.
Quercus.

Lachnus lepineyi Mimeur. Mimeur, 1934a.
Quercus ilex.

Lachnus quercicolens Ashmead. Wilson, 1918a, p. 141.
Quercus virginiana.

Longistigma caryae Harris. Hottes, 1931b, p. 391; Wilson, 1923a, p. 257.
Castanea dentata, Quercus marylandica.

Pterochlorus cerricola Del Guercio. Del Guercio, 1907a, p. 267; Wilson, 1918a, p. 54.
Quercus cerris.

Pterochlorus exsiccator Altum. Van der Goot, 1915a, p. 414.
Fagus sylvatica.

Pterochlorus ilicicola Boisduval. Wilson, 1918a, p. 91.
Quercus ilex.

Pterochlorus ilicina Del Guercio. Del Guercio, 1907a, p. 273; Wilson, 1918a, p. 91.
Quercus ilex.

Pterochlorus iliciphila Del Guercio. Del Guercio, 1907a, p. 270; Wilson, 1918a, p. 91.
Quercus ilex.

Pterochlorus longipes Dufour. Schouteden, 1906a, p. 208; Theobald, 1929a, p. 111.
Castanea sativa, Quercus pedunculata.

Pterochlorus minor Del Guercio. Del Guercio, 1907a, p. 268; Wilson, 1918a, p. 110.
Quercus robur, Q. suber.

Pterochlorus ogasawarae Matsumura. Matsumura, 1917b, p. 379.
Quercus.

Pterochlorus roboris Linnaeus. Judenko, 1930a, p. 137; Schouteden, 1906a, p. 208; Werder, 1931a, p. 80.
Fagus sylvatica, Quercus peduculata, Q. robur, Q. sessiliflora, Q. sessilis.

Pterochlorus tropicalis van der Goot. Essig, 1918a, p. 103; Okamoto, 1927a, p. 145; Takahashi, 1923a, p. 136.
Castanea sativa, C. vulgaris, Castanopsis cuspidata, Quercus acutissima, Q. dentata, Q. glandulifera, Q. serrata, Q. variabilis.

Stomaphis longirostris Fabricius. Theobald, 1929a, p. 120.
Quercus.

Stomaphis macrorhyncha Cholodkovsky. Cholodkovsky, 1894a, p. 405.
Quercus.

Stomaphis quercus Linnaeus. Judenko, 1930a, p. 137; Schouteden, 1906a, p. 208; Theobald, 1929a, p. 118.
Quercus alba, Q. pedunculata, Q. robur, Q. sessilifolia, Q. sessilis.

APHIDINAE (GREENIDEINI):

Eutrichosiphum lithocarpi Maki. Takahashi, 1923a, p. 118, 1925a, p. 57.
Castanopsis subacuminata, Lithocarpus uraiana.

Eutrichosiphum pasaniae Okajima. Okajima, 1908a, p. 6; Takahashi, 1923a, p. 67, 118.
Pasania cuspidata, Quercus acuta, Q. serrata.

Greenidea dubius van der Goot. Takahashi, 1929d, p. 527, 1931a, p. 32.
Lithocarpus konishii, Quercus glauca.

Greenidea kuwanae Pergande. Okajima, 1908a, p. 3; Okamoto, 1927a, p. 140; Pergande, 1906a, p. 209; Takahashi, 1923a, p. 117, 1925a, p. 30.
Castanea, Quercus acuta, Q. acutissima, Q. crispula, Q. dentata, Q. glandulifera, Q. serrata, Q. stenophylloides.

Greenidea luchuana Takahashi. Takahashi, 1930d, p. 324.
Quercus.

Greenidea mushana Takahashi. Takahashi, 1925a, p. 36.
Quercus.

Greenidea nigra Maki. Takahashi, 1923a, p. 170, 1931a, p. 30.
Lithocarpus rhombocarpa, Quercus formosana.

Greenidea nigrofasciata Maki. Takahashi, 1925a, p. 62.
Quercus glauca.

Greenidea quercifoliae Takahashi. Takahashi, 1921a, p. 65, 1923a, p. 169.
Quercus serrata, Q. variabilis.

Greenidea tattakana Takahashi. Takahashi, 1925a, p. 31, 1931a, p. 33.
Castanea formosana, Castanopsis formosana, Quercus serrata, Q. stenophylloides.

Greenidea tenuicorpus Okajima. Okajima, 1008a, p. 4; Takahashi, 1924a, p. 55, 1931a, p. 32.
Castanopsis formosana, C. subacuminata, Lithocarpus, Pasania cuspidata, Quercus.
Paratrichosiphum lithocarpi Takahashi. Takahashi, 1031a, p. 33.
Lithocarpus.

APHIDINAE (THELAXINI):
Glyphina juglandicola Takahashi. Takahashi, 1930c, p. 276.
Quercus.
Tavaresiella suberi Del Guercio. Del Guercio, 1911a, p. 297.
Quercus suber.
Vacuna californica Davidson. Davidson, 1919b, p. 247.
Quercus lobata, Q. macrocarpa.
Vacuna carlucciana Del Guercio. Del Guercio,1913d, p. 285, 289.
Castanea sativa.
Vacuna castaneae Del Guercio. Del Guercio, 1913d, p. 285, 289.
Castanea sativa.
Vacuna dryophila Schrank. Van der Goot, 1015a, p. 424; Passerini, 1863, p. 334; Schouteden, 1906a, p. 192; Theobald, 1929a, p. 75; Tullgren, 1909a, p. 41.
Quercus aegilops, Q. ilex, Q. pedunculata, Q. robur, Q. sessiliflora.

ERIOSOMATINAE:
Abamalekia lazarewi Del Guercio. Del Guercio, 1905a, p. 364.
Quercus robur.
Pemphigus fagifoliae Del Guercio. Del Guercio, 1913b, p. 175.
Fagus.
Pemphigus indicus Kieffer. Kieffer, 1908a, p. 161.
Fagus.
Pemphigus pedunculi Hartig. Wilson, 1918a, p. 123.
Quercus.
Prociphilus imbricator Fitch. Felt, 1011a, p. 65; Maxson, 1923a, p. 323; Weed, 1893a, p. 302.
Fagus grandifolia.
Schizoneura lusitanica Horvath. Horvath, 1908a, p. 132.
Quercus robur.

HORMAPHIDINAE:
Astegopteryx cuspidatae Essig and Kuwana. Takahashi, 1923a, p. 149, 1925a, p. 51.
Quercus cuspidata, Q. dentata, Q. stenophylloides.
Astegopteryx distyfoliae Takahashi. Takahashi, 1923a, p. 148.
Quercus crispula, Q. dentata, Q. glandulifera.
Astegopteryx formosana Takahashi. Takahashi, 1927c, p. 389.
Quercus.
Astegopteryx hongkongensis van der Goot. Takahashi, 1928a.
Quercus.

Astegopteryx lithocarpi Takahashi. Takahashi, 1929d, p. 532.
Lithocarpus.
Astegopteryx quercicola Takahashi. Mordvilko, 1935a, p. 256; Takahashi, 1921a, p. 94, 1923a, p. 147.
Quercus serrata, Q. variabilis.
Hamamelistes? agrifoliae Ferris. Ferris, 1921a, p. 291.
Quercus agrifolia.
Thoracaphis arboris van der Goot. Van der Goot, 1916a, p. 245.
Quercus.
Thoracaphis takahashii Strand. Takahashi, 1931a, p. 90.
Lithocarpus, Quercus glauca.

PHYLLOXERIDAE:
Acanthochermes quercus Kollar. Börner, 1909c, p. 60.
Quercus.
Moritziella corticalis Kaltenbach. Börner, 1909c, p. 61.
Quercus.
Parthenophylloxera ilicis Grassi and Foa. Grassi, 1911a; Wilson, 1918a, p. 91.
Quercus.
Phylloxera acanthochermes Lichtenstein. Wilson, 1918a, p. 28.
Quercus robur.
Phylloxera bipunctatum Lichtenstein. Wilson, 1918a, p. 44.
Quercus.
Phylloxera castaneae Haldeman. Duncan, 1922a, p. 276; Pergande, 1904b, p. 258.
Castanea dentata, C. pumila, C. vesca.
Phylloxera coccinea Heyden. Börner, 1909c, p. 62; Schouteden, 1906a, p. 191.
Quercus sessiliflora.
Phylloxera danesii Grassi and Foa. Börner, 1909c, p. 61.
Quercus.
Phylloxera davidsoni Duncan. Duncan, 1922a, p. 271.
Quercus engelmanni.
Phylloxera florentina Targioni-Tozzetti. Börner, 1909a, p. 26.
Quercus ilex, Q. robur.
Phylloxera foae Börner. Börner, 1909a, p. 62.
Quercus.
Phylloxera glabra Heyden. Börner, 1909a, p. 62.
Quercus.
Phylloxera querceti Pergande. Duncan, 1922a, p. 273.
Quercus alba, Q. daimio, Q. macrocarpa, Q. panonia.
Phylloxera quercus Boyer. Börner, 1909a, p. 26; Fuschini, 1907a, p. 361; van der Goot, 1915a, p. 561; Schouteden, 1906a, p. 191.
Quercus coccifera, Q. ilex, Q. pedunculata, Q. robur, Q. sessiliflora.
Phylloxera reticulata Duncan. Duncan, 1922a, p. 271.
Quercus kelloggii.

Phylloxera rileyi Lichtenstein. Duncan, 1922a, p. 273; Riley, 1775b, p. 117–121.
Quercus alba, Q. bicolor, Q. obtusiloba.
Phylloxera scutifera Signoret. Signoret, 1867a, p. 303.
Quercus.
Phylloxera similans Duncan. Duncan, 1922a, p. 272.
Quercus macrocarpa.
Phylloxera spinulosa Targioni-Tozzetti. Börner, 1908b, p. 606.
Quercus.
Phylloxera stanfordiana Ferris. Ferris, 1919a, p. 103.
Quercus douglasii.
Phylloxera stellata Duncan. Duncan, 1922a, p. 269.
Quercus.
Phylloxera tuberculifera Duncan. Duncan, 1922a, p. 272.
Quercus harvardii.
Psylloptera quercina Ferrari. Ferrari, 1872a, p. 85.
Quercus cerris.

URTICACEAE

NETTLE FAMILY

APHIDINAE (APHIDINI):
Acyrthosiphon sibiricum Mordvilko. Mordvilko 1914a, p. 226, 235.
Urtica dioica.
Aphis evonymi Fabricius. Swain, 1919a, p. 176.
Urtica.
Aphis fabae Scopoli. Franssen, 1927a, p. 261.
Urtica urens.
Aphis ficicola Takahashi. Takahashi, 1921a, p. 58, 1923a, p. 110.
Ficus wightiana.
Aphis ficus Theobald. Hall, 1926a, p. 17.
Ficus sycomorus.
Aphis gossypii Glover. Van der Goot, 1916a, p. 96; Hall, 1926a, p. 19; Pergande, 1895a, p. 314; Theobald, 1927a, p. 144.
Ficus, Humulus lupulus, Pouzolzia indica.
Aphis helianthi Monell. Gillette, 1932b, p. 403.
Urtica gracilis.
Aphis helichrysi Kaltenbach. Gillette, 1932b, p. 405.
Urtica.
Aphis laburni Kaltenbach. Nevsky, 1929b, p. 398, 402; Theobald, 1927a, p. 124.
Morus alba, Ulmus campestris, U. densa, Zelkova acuminata.
Aphis medicaginis Koch. Essig, 1918a, p. 72
Zelkova acuminata.
Aphis morae Kittel. Kittel, 1827a, p. 153.
Morus.
Aphis mori Clarke. Swain, 1919a, p. 116.
Morus.

Aphis nigricans van der Goot. Van der Goot, 1916a, p. 296.
Cudrania javanica.
Aphis odinae van der Goot. Takahashi, 1931a, p. 49.
Ficus wightiana.
Aphis papaveris Fabricius. Börner, 1922a.
Urtica dioica.
Aphis parietariae Theobald. Theobald, 1927a, p. 146.
Parietaria officinalis.
Aphis rumicis Linnaeus. Gillette, 1932b, p. 440; van der Goot, 1915a, p. 225; Horsfall, 1925a, p. 24.
Humulus lupulus, Maclura pomifera, Urtica gracilis.
Aphis sativae Williams. Davis, 1911b, p. 19.
Cannabis sativa.
Aphis sogdiana Nevsky. Nevsky, 1929b, p. 402.
Ulmus campestris, U. densa.
Aphis tertia Walker. Walker, 1849b, p. 45.
Urtica dioica.
Aphis urticaria Kaltenbach. Van der Goot, 1915a, p. 236; Theobald, 1927a, p. 178.
Urtica dioica, U. urens.
Asiphonaphis anogis Hottes and Frison. Hottes, 1931b, p. 227.
Pilea pumila.
Macrosiphoniella citricola van der Goot. Takahashi, 1923a, p. 76.
Ficus obscura.
Macrosiphum gei Koch. Hottes, 1931b, p. 307; Theobald, 1926a, p. 111.
Humulus lupulus, Ulmus fulva.
Macrosiphum schranki Theobald. Gillette, 1934a, p. 195; Theobald, 1927a, p. 403.
Urtica gracilis.
Macrosiphum solanifolii Ashmead. Essig, 1917a, p. 320. Gillette, 1934a, p. 196.
Humulus lupulus, Ulmus americana.
Macrosiphum tenuicauda Bartholomew. Bartholomew, 1932a, p. 723.
Urtica gracilis.
Macrosiphum urticae Schrank. Blanchard, 1922a, p. 196; Mordvilko, 1914a, p. 202; Nevsky, 1929b, p. 92; Theobald, 1926a, p. 122.
Urtica dioica.
Myzus boehmeriae Takahashi. Takahashi, 1923a, p. 27.
Boehmeria nivea.
Myzus chelidonii Kaltenbach. Theobald, 1926a, p. 347.
Humulus lupulus.
Myzus persicae Sulzer. Matsumura, 1917b, p. 362; Takahashi, 1925a, p. 56; Theobald, 1926a, p. 323.
Humulus, Urtica piluliferae, U. urens, Zelkova formosana.
Myzus phenax Cockerell. Cockerell, 1903d, p. 115.
Humulus lupulus.
Myzus solani Kaltenbach. Bartholomew, 1932a, p. 727.
Ulmus.

Pergandeida stanilandi Laing. Theobald, 1927a, p. 34.
Urtica dioica.
Phorodon asacola Matsumura. Matsumura, 1917b, p. 405.
Cannabis sativa.
Phorodon cannabis Passerini. Nevsky, 1929b, p. 145.
Cannabis sativa.
Phorodon humuli Schrank. Okamoto, 1927a, p. 135; Passerini, 1863a, p. 249; Quaintance, 1920a, p. 18; Takahashi, 1923a, p. 84; Theobald, 1926a, p. 276.
Boehmeria nivea, Cannabis sativa, Humulus japonicus, H. lupulus, Urtica dioica.
Rhopalosiphoninus lupulinus Theobald. Theobald, 1926a, p. 224.
Humulus lupulus.
Toxoptera aurantii Boyer. Van der Goot, 1916a, p. 78, 79, 295; Takahashi, 1923a, p. 95, 1925a, p. 60, 1931a, p. 50.
Artocarpus integrifolia, Ficus ampelos, F. aurantii, F. foveolata, F. hispida, F. obscura, F. retusa, Morus alba, Trema amboinensis.

APHIDINAE (CALLIPTERINI):
Agrioaphis viridis Takahashi. Takahashi, 1931a, p. 84; Zeck, 1933a.
Ulmus chinensis, Zelkowa formosana.
Callipterus elegans Koch. Koch, 1857a, p. 213.
Ulmus campestris.
Chromaphis celticolens Essig and Kuwana. Essig, 1918a, p. 38.
Celtis sinensis.
Chromaphis nirecola Shinji. Shinji, 1933a.
Ulmus.
Myzocallis mushensis Takahashi. Takahashi, 1925a, p. 46.
Zelkova formosana.
Myzocallis platani Kaltenbach. Judenko, 1930a, p. 139; Kaltenbach, 1843a, p. 152; Opmanis, 1928a.
Ulmus foliacea, U. scabra.
Myzocallis pulchellus Glendenning. Glendenning, 1929a, p. 237.
Ulmus americana.
Myzocallis ulmifolii Monell. Baker, 1917a, p. 423, 1923a, p. 280; Essig, 1917a, p. 324; Hottes, 1931b, p. 272; Swain, 1919a, p. 27.
Ulmus alata, U. americana, U. campestris, U. fulva.
Myzocallis zelkowae Takahashi. Takahashi, 1919b, p. 174.
Zelkova keaki.
Sappocallis ulmicola Matsumura. Matsumura, 1919a, p. 108.
Ulmus japonica.
Shivaphis celti Das. Das, 1918a, p. 269; van der Goot, 1918b; Takahashi, 1923a, p. 132, 1928a.
Celtis australis, C. cinnamomea, C. nervosa, C. sinensis.
Therioaphis celticola Nevsky. Nevsky, 1929b, p. 318.
Celtis australis.
Tinocallis ulmi-parvifoliae Matsumura. Matsumura, 1919a, p. 101.
Ulmus parvifolia.

Tuberocallis saltans Nevsky. Nevsky, 1929b, p. 402.
Ulmus campestris, U. densa.

APHIDINAE (GREENIDEINI):

Greenidea artocarpi Westwood. Van der Goot, 1916a, p. 134; Schouteden, 1905a, p. 183.
Artocarpus integrifolia, Ficus benjamina.

Greenidea ficicola Takahashi. Mason, 1927a, p. 87; Takahashi, 1923a, p. 166, 1931a, p. 29.
Ficus ampelos, F. fistulosa, F. gibbosa, F. obscura, F. pisifera, F. retusa, F. rostrata, F. wightiana.

Greenideoida hannae van der Goot. Van der Goot, 1916a, p. 147.
Streblus.

APHIDINAE (LACHNINI):

Stomaphis yanonis Takahashi. Takahashi, 1924a, p. 116.
Celtis sinensis.

ERIOSOMATINAE:

Colopha compressa Koch. Bayer, 1914a, p. 96; Judenko, 1930a, p. 139; Marchal, 1933a, p. 279; Mordvilko, 1929a, p. 198; Tullgren, 1925a, p. 36.
Ulmus americana, U. effusa, U. foliacea, U. pedunculata, U. racemosa, U. scabra.

Colopha ulmicola Fitch. Hottes, 1931b, p. 349; Patch, 1910b, p. 107, 204.
Ulmus americana, U. fulva, U. racemosa.

Eriosoma americanum Riley. Baker, 1915a, p. 14, 15; Gillette, 1934a, p. 211; Glendenning, 1924a, p. 33; Marchal, 1933a, p. 275; Marcovitch, 1934a, p. 8; Maxson, 1923a, p. 313; Mordvilko, 1923a, p. 41; Patch, 1915a, p. 197, 204.
Ulmus americana.

Eriosoma clematicolum Takahashi. Okamoto, 1927a, p. 146; Takahashi, 1931a, p. 102.
Abelicea serrata, Zelkova.

? Eriosoma crataegi Oestlund. Gillette, 1934a, p. 212.
Ulmus fulva.

Eriosoma inopinatum Alfieri. Alfieri, 1920a, p. 18; Börner, 1930a; Jancke, 1930a, p. 153; Werder, 1931a, p. 80.
Ulmus campestris.

Eriosoma japonicum Matsumura. Hori, 1930a, p. 50; Matsumura, 1917a, p. 82; Mordvilko, 1923a, p. 41.
Ulmus campestris.

Eriosoma lanigerum Hausmann. Baker, 1915a, p. 16; Britton, 1927a, p. 135; Cutright, 1925a, p. 199; Gillette, 1934a, p. 210; Glendenning, 1924a, p. 33; Hottes, 1931b, p. 351; Knowlton, 1935d, p. 195; Marchal, 1928a, p. 5–10, 1933a, p. 255; Marcovitch, 1934a, p. 7; Maxson, 1915a, 1923a, p. 313; Monzen, 1926a, p. 263; Mordvilko, 1924a, p. 142, 1929a, p. 197; Nevsky, 1929b, p. 364; Patch, 1913c, p. 264, 1913e, figs. 70, 71, 1916a,

p. 47, 1916b, p. 338, 1920a, p. 158; Schoene, 1935a, p. 13; Theobald, 1929a, p. 279–280.

Ulmus americana, U. campestris, U. montana.

Eriosoma lanuginosum Hartig. Baker, 1917d; Bayer, 1914a, p. 94; Judenko, 1930a, p. 139; Marchal, 1926a, 1933a, p. 209; Maxson, 1923a, p. 314; Mordvilko, 1923a, p. 41; Nevsky, 1929b, p. 366; Swain, 1919a, p. 149; Theobald, 1929a, p. 283.

Ulmus campestris, U. foliacea, U. glabra, U. montana, U. scabra, U. suberosa.

Eriosoma mimica Hottes and Frison. Hottes, 1931b, p. 353.

Ulmus fulva.

Eriosoma patchiae Börner. Börner, 1914b, p. 2; Lambers, 1931d, p. 7; Marchal, 1933a, p. 259; Mordvilko, 1924a, p. 142, 1929a, p. 197; Nevsky, 1929b, p. 367.

Ulmus campestris, U. suberosa.

Eriosoma phaenax Mordvilko. Marchal, 1933a, p. 275.

Ulmus campestris.

Eriosoma rileyi Thomas. Gillette, 1934a, p. 213; Hottes, 1931b, p. 354; Marchal, 1933a, p. 277; Maxson, 1923a, p. 314; Mordvilko, 1924a, p. 142, 1929a, p. 197; Patch, 1913c, p. 262.

Ulmus americana, U. fulva.

Eriosoma ulmi Linnaeus. Bayer, 1912a, p. 20, 1914a, p. 96; Lambers, 1931d, p. 7; Marchal, 1933a, p. 236; Mordvilko, 1923a, p. 41, 1935a, p. 109; Nevsky, 1929b, p. 368; Patch, 1913c, p. 271; Theobald, 1929a, p. 288; Tullgren, 1909a, p. 169.

Ulmus campestris, U. effusa, U. glabra, U. japonica, U. montana, U. pumila, U. racemosa, U. scabra, U. suberosa.

Eriosoma ulmosedens Marchal. Marchal, 1924b, p. 738; Mordvilko, 1923a, p. 41; Theobald, 1929a, p. 292.

Ulmus campestris, U. montana.

Georgia gillettei Maxson and Hottes. Marchal, 1933a, p. 278; Maxson, 1926a, p. 130.

Ulmus americana.

Georgia ulmi Wilson. Hottes, 1931b, p. 358; Wilson, 1911a, p. 65.

Ulmus alata, U. fulva.

Gobaishia japonica Matsumura. Hori, 1929b, p. 16; Matsumura, 1917a, p. 76; Mordvilko, 1923a, p. 41, 1929a, p. 199, 1935a, p. 118.

Ulmus campestris, U. japonica, U. macrocarpa, U. montana.

Gobaishia nirecola Matsumura. Matsumura, 1917a, p. 77.

Ulmus campestris.

Gobaishia ulmifusus Walsh and Riley. Gillette, 1934a, p. 214; Hottes, 1931b, p. 359; Marchal, 1933a, p. 310; Maxson, 1923a, p. 317; Mordvilko, 1929a, p. 199, 1935a, p. 119; Patch, 1910b, p. 220.

Ulmus fulva, U. pubescens.

Pemphigus lactucae Fitch. Cutright, 1925a, p. 201.

Lamium amplexicaule.

Pemphigus ulmi Lichtenstein. Lichtenstein, 1879a, p. 9.

Ulmus campestris.

Schizoneura soror Börner. Börner, 1914b, p. 2.
Ulmus.
Tetraneura akinere Sasaki. Matsumura, 1917a, p. 78; Monzen, 1929a; Sasaki, 1904a, p. 403.
Ulmus japonica, U. parvifolia.
Tetraneura caerulescens Passerini. Marchal, 1933a, p. 299.
Ulmus campestris.
Tetraneura cynodontis Theobald. Mordvilko, 1935a, p. 130.
Ulmus campestris.
Tetraneura fusiformis Matsumura. Matsumura, 1917a, p. 74; Takahashi, 1928a (52).
Ulmus campestris.
Tetraneura gallarum Gmelin. Lambers, 1931d, p. 7.
Ulmus suberosa.
Tetraneura graminis Monell. Cutright, 1925a, p. 200; Gillette, 1934a, p. 215; Hottes, 1931b, p. 349; Maxson, 1923a, p. 316; Patch, 1910b, p. 208.
Ulmus americana, U. fulva.
Tetraneura hirsuta Baker. Mordvilko, 1920a, p. 200, 1935a, p. 127; Nevsky, 1929b, p. 402.
Ulmus campestris, U. japonica.
Tetraneura moriokaensis Monzen. Monzen, 1923a; Mordvilko, 1935a, p. 131.
Zelkova serrata.
Tetraneura pallida Haliday. Bayer, 1912a, p. 20; Marchal, 1933a, p. 305; Mordvilko, 1923a, p. 41, 1929a, p. 199; Nevsky, 1929b, p. 370; Tullgren, 1909a, p. 185.
Ulmus campestris, U. glabra, U. montana.
Tetraneura rubra Lichtenstein. Mordvilko, 1929a, p. 199, 1935a, p. 120; Nevsky, 1929b, p. 371.
Ulmus campestris, U. montana.
Tetraneura ulmi Geoffroy. Bayer, 1914a, p. 93, 95, 96, 97, van der Goot, 1915a, p. 487; Judenko, 1930a, p. 139; Marchal, 1933a, p. 283; Mordvilko, 1929a, p. 200; Nevsky, 1929b, p. 376; Tullgren, 1909a, p. 181.
Planera aquatica, Ulmus campestris, U. densa, U. effusa, U. foliacea, U. glabra, U. scabra.
Tetraneura ulmifoliae Baker. Theobald, 1929a, p. 298.
Ulmus campestris, U. montana, U. suberosa.
Tetraneura ulmisacculi Patch. Gillette, 1934a, p. 214; Patch, 1910b, p. 216.
Ulmus campestris, U. montana.
Tetraneura yezoensis Matsumura. Hori, 1929b, p. 157; Monzen, 1929a.
Ulmus japonica.

HORMAPHIDINAE:

Astegopteryx fici Takahashi. Takahashi, 1923a, p. 55, 1925a, p. 60, 1931a, p. 92.
Ficus elastica, F. retusa, F. wichtiana, F. wightiana.
Astegopteryx giganteum Takahashi. Takahashi, 1923a, p. 150.
Ficus retusa.

Thoracaphis fici (m. s.) van der Goot. Van der Goot, 1918a, p. 114.
Ficus benjamina.

UNCLASSIFIED:
Neorhizobius ulmiphilus Del Guercio. Del Guercio, 1917a, p. 244; Marchal, 1933a, p. 311.
Ulmus campestris.

PROTEACEAE

PROTEA FAMILY

Toxoptera aurantii Boyer. Van der Goot, 1916a, p. 295.
Helicia attenuata.

LORANTHACEAE

MISTLETOE FAMILY

Aphis gossypii Glover. Van der Goot, 1916a, p. 295.
Loranthus.
Oregma loranthi van der Goot. Van der Goot, 1916a, p. 194.
Loranthus.
Toxoptera aurantii Boyer. Van der Goot, 1916a, p. 295.
Loranthus.

ARISTOLOCHIACEAE

BIRTHWORT FAMILY

Aphis fabae Scopoli. Werder, 1931a, p. 80.
Aristolochia clematitis.
Aphis gossypii Glover. Van der Goot, 1918c.
Aristolochia indica.
Myzus solani Kaltenbach. Bartholomew, 1932a, p. 727.
Asarum.

POLYGONACEAE

BUCKWHEAT FAMILY

APHIDINAE (APHIDINI):
Acaudella puchovi Nevsky. Nevsky, 1929a, p. 212.
Atraphaxis buxifolia.
Acaudus itadori Shinji. Shinji, 1927a, p. 55.
Polygonum reynoutria.
Acaudus jozankeanus Matsumura and Hori. Hori, 1927a, p. 193.
Polygonum sachalinense.
Akkala polygoni Takahashi. Takahashi, 1923a, p. 58.
(?)*Polygonum thunbergii.*

Amphorophora nigricornis Knowlton. Knowlton, 1927a, p. 185.
Polygonum persicaria.
Anuraphis aegyptiaca Hall. Hall, 1926a, p. 8.
Rumex.
Anuraphis padi Linnaeus. Theobald, 1927a, p. 250, 403.
Rumex.
Anuraphis ranunculi Kaltenbach. Theobald, 1927a, p. 307.
Rumex.
Anuraphis roseus Baker. Theobald, 1927a, p. 298, 300.
Rumex.
Anuraphis rumecicola Hori. Hori, 1927a, p. 199.
Rumex crispus.
Anuraphis rumicella Theobald. Theobald, 1927a, p. 271.
Rumex.
Anuraphis subterranea Walker. Theobald, 1927a, p. 279.
Rumex.
Aphis abbreviata Patch. Patch, 1924a, p. 35, 36.
Fagopyrum esculentum, Polygonum aviculare, P. convolvulus, P. hydropiper, P. lapathifolium, P. sachalinense, P. sagittatum, P. zuccarinii, Rumex acetosella, R. crispus, R. obtusifolius.
Aphis acetosae Buckton. Theobald, 1927a, p. 147, 158.
Rumex acetosa.
Aphis acetosella Theobald. Hall, 1926a, p. 13; Theobald, 1927a, p. 158.
Rumex.
Aphis carbocolor Gillette. Gillette, 1907b, p. 391, 1908c, p. 178.
Rumex.
Aphis davidsoniella Theobald. Theobald, 1927a, p. 402.
Rumex.
Aphis eriogoni Cowen. Cowen, 1895a, p. 119; Gillette, 1932b, p. 396; Jones, 1929a, p. 48.
Eriogonum altatum, E. bakeri, E. effusum, E. inflatum, E. umbellatum.
Aphis evonymi Fabricius. Franssen, 1927a; Mordvilko, 1928c, p. 580; Nevsky, 1928b, p. 401; Roepke, 1928a, p. 20, 24.
Polygonum convolvulus, Rheum nudatum, R. rhaponticum, Rumex conglomeratus, R. crispus, R. turkestanicus.
Aphis fabae Scopoli. Franssen, 1927a, p. 260; Judenko, 1930a, p. 137; Roepke, 1928a, p. 7; Werder, 1931a, p. 80.
Fagopyrum esculentum, F. tataricum, Polygonum tomentosum, Rheum barbaricum, R. nudatum, R. officinale, R. rhaponticum, Rumex crispus, R. domesticum, R. hydrolapathum, R. obtusifolius.
Aphis gossypii Glover. Goff, 1932a, p. 10; Hall, 1926a, p. 19; Hottes, 1931b, p. 196; Patch, 1925b, p. 188; Theobald, 1927a, p. 144.
Antigonon leptopus, Coccoloba flendana, C. laurifolia, Rumex acetosella, R. crispus.
Aphis illicis Kaltenbach. Roepke, 1928a, p. 15.
Rumex crispus, R. obtusifolius.
Aphis maidi-radicis Forbes. Davis, 1909b, p. 124; Sweetman, 1928a, p. 598; Vickery, 1910a, p. 102–104.

Polygonum hydropiper, P. hydropiperoides, P. incarnatum, P. lapathifolium, P. muhlenbergii, P. persicaria, Rumex altissimus, R. crispus.

Aphis maidis Fitch. Wildermuth, 1932a, p. 6.
Polygonum pennsylvanicum.

Aphis malvae Walker. Wilson, 1918a, p. 107.
Rumex altissimus.

Aphis medicaginis Koch. Gillette, 1932b, p. 417.
Polygonum, Rumex.

Aphis middletonii Thomas. Jones, 1929a, p. 27.
Rumex acetosella.

Aphis mordwilkoi Börner and Janisch. Börner, 1923a; Franssen, 1927a, p. 260.
Rumex conglomeratus, R. obtusifolius.

Aphis neopolygoni Theobald. Nevsky, 1929b, p. 193; Theobald, 1927a, p. 161.
Polygonum aviculare, P. fagopyrum, P. minus, P. nodosum.

Aphis ochropus Koch. Theobald, 1927a, p. 155.
Rumex.

Aphis odinae van der Goot. Takahashi, 1931a, p. 49.
Polygonum multiflorum.

Aphis plantaginis Schrank. Theobald, 1927a, p. 131.
Rumex.

Aphis polygonacea Matsumura. Matsumura, 1917b, p. 390.
Polygonum.

Aphis polygoni van der Goot. Van der Goot, 1915a, p. 217; Nevsky, 1929b, p. 193.
Polygonum aviculare, P. fagopyrum, P. minus, P. nodosum.

Aphis relata Walker. Wilson, 1918a, p. 144.
Rumex altissimus.

Aphis rhei Koch. Koch, 1857a, p. 127.
Rheum rhaponticum.

Aphis rumexicolens Patch. Patch, 1917a, p. 417.
Rumex acetosella.

Aphis rumicis Linnaeus. Franssen, 1927a, p. 260; van der Goot, 1915a, p. 225; Gould, 1930a, p. 828; Horsfall, 1925a, p. 48, 49; Mordvilko, 1928c, p. 580; Roepke, 1928a, p. 17; Theobald, 1927a, p. 84, 102.
Polygonum fagopyrum, P. persicaria, P. scandens, Rheum rhaponticum, Rumex acetosa, R. acetosella, R. conglomeratus, R. crispus, R. dentata, R. hydrolapathum, R. maritimus, R. obtusifolium, R. pulcher, R. sanguineus.

Aphis scabiosae Schrank. Nevsky, 1929a, p. 401.
Rumex conglomeratus.

Aphis senecio Swain. Swain, 1919a, p. 124.
Rumex.

Aphis somei Essig and Kuwana. Takahashi, 1923a, p. 110.
Polygonum multiflorum.

Aphis spiraecola Patch. Hottes, 1931b, p. 397; Miller, 1929a, p. 438; Patch, 1923a, p. 50, 1929a, p. 699.

Antigonon leptopus, Polygonum hydropiper, P. lapathifolium, P. sachalinense, Rumex acetosella, R. crispus.

Aphis transiens Walker. Wilson, 1918a, p. 168.
Polygonum persicaria.

Aspidaphis adjuvans Walker. Gillette, 1932b, p. 457; Nevsky, 1929b, p. 399.
Polygonum argyrocoleum, P. aviculare.

Aspidaphis polygoni Gillette. Gillette, 1917c, p. 196, 1932b, p. 457.
Polygonum aviculare.

Braggia echinata Gillette and Palmer. Gillette, 1929a, p. 29.
Eriogonum.

Capitophorus gillettei Theobald. Nevsky, 1929b, p. 137; Theobald, 1926a, p. 240.
Polygonum hydropiper, P. minus, P. pennsylvanicum.

Capitophorus hippophaes Koch. Van der Goot, 1915a, p. 124; Mordvilko, 1935a, p. 309; Takahashi, 1923a, p. 83.
Polygonum hydropiper, P. lapathifolium, P. nodosum, P. persicaria.

Capitophorus hippophaes Walker. Nevsky, 1929b, p. 399; Theobald, 1926a, p. 237.
Polygonum hydropiper, P. lapathifolium, P. minus.

Capitophorus ribis Linnaeus. Theobald, 1926a, p. 231.
Polygonum hydropiper, P. lapathifolium, P. laxiflorum, P. persicaria.

Dentatus radicicola Mordvilko. Lambers, 1931c, p. 4; Mordvilko, 1935a, p. 303; Nevsky, 1929b, p. 303.
Rheum, Rumex crispus.

Doralis avicularis Lambers. Lambers, 1931b, p. 6.
Polygonum aviculare.

Idiopterus nephrelepidis Davis. Theobald, 1915c.
Polygonum.

Macrosiphum dirhodum Walker. Theobald, 1926a, p. 137.
Polygonum persicaria.

Macrosiphum gei Koch. Ogilvie, 1928a, p. 22; Theobald, 1926a, p. 111.
Fagopyrum esculentum, Polygonum, muhlenbergii, Rumex.

Macrosiphum martini Cockerell. Cockerell, 1903b, p. 171.
Eriogonum.

Macrosiphum matsumuraeanum Hori. Hori, 1926a, p. 62, 1929b, p. 68.
Rumex crispus, R. japonicus.

Macrosiphum pisi Kaltenbach. Hottes, 1931b, p. 318.
Polygonum muhlenbergii.

Macrosiphum solanifolii Ashmead. Gillette, 1934a, p. 196; Gould, 1930a, p. 817; Patch, 1921a, p. 328.
Eriogonum alatum, Fagopyrum esculentum, Polygonum hydropiper, P. persicaria, P. prolificum, Rumex crispus, R. obtusifolius.

Macrosiphum venaefuscae Davis. Davis, 1914a, p. 82.
Polygonum cristatum, Rumex crispus.

Myzus circumflexus Buckton. Theobald, 1926a, p. 333.
Rumex.

Myzus formosanus Takahashi. Takahashi, 1923a, p. 22.
Polygonum chinensis.

Myzus persicae Sulzer. Britton, 1933a, p. 156; Das, 1918a, p. 169; Gould, 1930a, p. 815; Takahashi, 1924a, p. 121; Theobald, 1926a, p. 323.
Polygonum hydropiper, P. multiflorum, P. persicaria, Rheum rhaponticum, Rumex dentata.

Myzus polygoni Buckton. Theobald, 1926a, p. 330.
Polygonum persicaria.

Myzus pseudosolani Theobald. Patch, 1928a, p. 55.
Polygonum convolvulus, P. hydropiper, P. sachalinense, Rumex crispus, R. obtusifolius.

Myzus solani Kaltenbach. Bartholomew, 1932a, p. 727.
Rumex.

Neanuraphis tarani Nevsky. Nevsky, 1928a, p. 193.
Polygonum polymorphum.

Pergandeidia polygonata Nevsky. Nevsky, 1929b, p. 206.
Polygonum argyrocoleum, P. aviculare, P. equisetifolium.

Phorodon polygoni van der Goot. Van der Goot, 1916a, p. 44; Takahashi, 1930b.
Polygonum perfoliatum.

Rhopalosiphoninus pseudorumicis Theobald. Theobald, 1926a, p. 219.
Rumex.

Rhopalosiphum nymphaeae Linnaeus. Jones, 1929a, p. 35.
Polygonum punctatum.

Rhopalosiphum rumicis Theobald. Theobald, 1927a, p. 72.
Rumex.

Toxoptera aurantiae Koch. Wolcott, 1926a.
Coccoloba uvifera.

Toxoptera graminum Rondani. Theobald, 1927a, p. 323.
Fagopyrum esculentum.

Trichosiphonaphis polygoniformosanus Takahashi. Takahashi, 1923a, p. 20.
Polygonum perfoliatus.

Xerophilaphis atraphaxidis Nevsky. Nevsky, 1928b, p. 11.
Atraphaxis frutescens.

Xerophilaphis calligoni Nevsky. Nevsky, 1928b, p. 13.
Calligonum eripodum, C. setosum.

Xerophilaphis plotnikovi Nevsky. Nevsky, 1928b, p. 13.
Calligonum aphyllum, C. arborescens, C. comodum, C. eriopodum, C. setosum, Rumex turkestanicus.

APHIDINAE (CALLIPTERINI):

Sipha polygoni Schouteden. Schouteden, 1907a, p. 265.
Polygonum aviculare.

APHIDINAE (LACHNINI):

Anoecia corni Fabricius. Theobald, 1929a, p. 87.
Rumex.

Anoecia querci Fitch. Cutright, 1925a, p. 188.
Polygonum erectum, P. hydropiper.

Trama antennata Mordvilko. Mordvilko, 1931a, p. 878.
Rumex.

ERIOSOMATINAE:

Geoica albicornis Koch. Theobald, 1925a, p. 81.
Polygonum.

Pemphigus betae Doane. Davidson, 1910a, p. 372; Jackson, 1908a, p. 218; Parker, 1914a, p. 137.
Polygonum aviculare, Rumex crispus, R. occidentalis.

Pemphigus lactucae Fitch. Cutright, 1925a, p. 201; Sweetman, 1928a, p. 595.
Polygonum hydropiper, P. pennsylvanicum, Rumex acetosella, R. crispus.

Pemphigus lactucarius Passerini. Nevsky, 1929b, p. 358.
Rumex turkestanicus.

Prociphilus erigeronensis Thomas. Cutright, 1925a, p. 207.
Polygonum hydropiper.

Prociphilus kuwanai Monzen. Hori, 1929b, p. 159.
Rumex crispus.

CHENOPODIACEAE

GOOSEFOOT FAMILY

APHIDINAE (APHIDINI):

Acyrthosiphon gossypii Mordvilko. Nevsky, 1929b, p. 394.
Atriplex heterospermum.

Aphis abbreviata Patch. Patch, 1924a, p. 36.
Beta vulgaris, Chenopodium album.

Aphis bonnevillensis Knowlton. Knowlton, 1928a, p. 262.
Sarcobatus vermiculatus.

Aphis brevisiphona Theobald. Theobald, 1927a, p. 204.
Beta vulgaris, Chenopodium.

Aphis evonymi Fabricius. Bayer, 1912a, p. 21; Mordvilko, 1928c, p. 580.
Atriplex, Beta vulgaris.

Aphis fabae Scopoli. Franssen, 1927a, p. 259, 261; Judenko, 1930a, p. 135; Mordvilko, 1928c, p. 580; Roepke, 1928a, p. 7.
Atriplex patula, Beta vulgaris, Blitum virgatum, Chenopodium album, Spinacia oleracea.

Aphis gossypii Glover. Hall, 1926a, p. 19; Patch, 1925b, p. 188; Pergande, 1895a, p. 313, 314.
Chenopodium album, C. anthelminticum, Spinacia oleracea.

Aphis laburni Kaltenbach. Nevsky, 1929b, p. 394, 395, 397.
Atriplex flabellum, Chenopodium album, Kochia hyssopifolia.

Aphis maidi-radicis Forbes. Vickery, 1910a, p. 103.
Chenopodium album.

Aphis medicaginis Koch. Gillette, 1932b, p. 417; Jones, 1929a, p. 37, 51.
Chenopodium album, Kochia scoparia, Salsola pestifer.

Aphis middletonii Thomas. Jones, 1929a, p. 49.
Chenopodium album.

Aphis ochropus Koch. Theobald, 1927a, p. 155.
Chenopodium polyspermum.

Aphis papaveris Fabricius. Börner, 1922a, p. 65; Gaumont, 1929a, p. 275.
Beta vulgaris, Chenopodium album.

Aphis rufula Walker. Theobald, 1927a, p. 211.
Salsola kali.

Aphis rumicis Linnaeus. Horsfall, 1925a, p. 24, 48; Theobald, 1927a, p. 102.
Atriplex hortensis, A. patula, Beta maritima, Beta vulgaris, Chenopodium album, C. ambrosioides, C. polyspermum, Spinacia oleracea.

Aphis spiraecola Patch. Miller, 1929a, p. 435; Patch, 1923a, p. 50, 1929a, p. 699.
Chenopodium album, C. ambrosioides.

Aphis tetrapteralis Cockerell. Cockerell, 1902a; Jones, 1929a, p. 37.
Atriplex canescens, Sarcobatus rubra.

Bipersona torticauda Gillette. Jones, 1929a, p. 47.
Salsola pestifer.

Chaitaphis tenuicauda Nevsky. Nevsky, 1928a, p. 198.
Kochia prostrata, Salsola lanata.

Hayhurstia deformans Del Guercio. Del Guercio, 1917a, p. 209.
"Chenopodiacee."

Hyalopterus atriplicis Linnaeus. Gould, 1930a, p. 829; Nevsky, 1929b, p. 394; Theobald, 1927a, p. 28.
Atriplex angustifolia, A. babingtoni, A. hastatum, A. heterospermum, A. hortensis, A. latifolia, A. littoralis, A. patula, A. portulacoides, Beta vulgaris, Chenopodium album, C. hybridum, C. murale, C. polyspermum, C. quinosa, C. urbicum, C. vulvaria, Spinacia oleracea.

Macrosiphum frigidicola Gillette and Palmer. Gillette, 1934a, p. 181.
Eurotia lanatum.

Macrosiphum gei Koch. Hottes, 1931b, p. 392; Ogilvie, 1928a, p. 22; Theobald, 1926a, p. 111.
Atriplex, Beta vulgaris, Chenopodium album, Cycloloma atriplicifolium, Spinacia oleracea.

Macrosiphum ludovicianae Oestlund. Gillette, 1934a, p. 188.
Eurotia lanatum.

Macrosiphum solanifolii Ashmead. Patch, 1921a, p. 328; Smith, 1919a, p. 48.
Atriplex, Beta vulgaris, Chenopodium album, Spinacia oleracea.

Macrosiphum sonchi Linnaeus. Hall, 1926a, p. 40.
Beta vulgaris, Chenopodium.

Myzus persicae Sulzer. Das, 1918a; Gillette, 1908a, p. 35, 36, 1934a, p. 205; Hall, 1926a, p. 41; Hori, 1929b, p. 101; Horsfall, 1924a, p. 5; Mason, 1921a, p. 22; Theobald, 1926a, p. 41.
Atriplex, Beta bengalensis, B. vulgaris, Chenopodium album, C. murale, C. viride, Salsola kali, S. tragus, Spinacia oleracea.

Myzus pseudosolani Theobald. Patch, 1928a, p. 55.
Chenopodium album.

Semiaphis dauci Fabricius. Lambers, 1931d, p. 4.
Chenopodium.

Xerobion eriosomatinum Nevsky. Nevsky, 1928b, p. 23.
Kochia prostrata.
Xerophilaphis plotnikovi Nevsky. Nevsky, 1928b, p. 13.
Atriplex flabellum, Beta vulgaris.
Xerophilaphis salsolacearum Nevsky. Nevsky, 1928b, p. 16, 1929b, p. 252, 393.
Anabasis aphylla, Caroxylon arborescens, Girgensohnia oppositiflora, Halocharis hispida, Salsola.
Xerophilaphis saxaulica Nevsky. Nevsky, 1929b, p. 394.
Arthrophytum ammodendron.

ERIOSOMATINAE:
Forda betae Westwood. Baker, 1919b, p. 37.
Beta vulgaris.
Pemphigus balsamiferae Williams. Gillette, 1934a, p. 223.
Beta vulgaris.
Pemphigus betae Doane. Gillette, 1909c, p. 354; Maxson, 1916a, p. 503.
Beta vulgaris, Chenopodium album.
Pemphigus bursarius Linnaeus. Gillette, 1934a, p. 222; Theobald, 1929a, p. 249.
Chenopodium.
Pemphigus lactucae Fitch. Cutright, 1925a, p. 201.
Beta vulgaris.
Prociphilus erigeronensis Thomas. Cutright, 1925a, p. 207.
Beta vulgaris.
Thecabius affinis Kaltenbach. Theobald, 1929a, p. 223.
Chenopodium.
Trifidaphis perniciosa Nevsky. Mordvilko, 1927a, p. 297.
Beta, Chenopodium.
Trifidaphis phaseoli Passerini. Mordvilko, 1935a, p. 184.
Beta.
Trifidaphis radicicola Essig. Essig, 1912a, p. 699.
Beta, Chenopodium.

AMARANTHACEAE

AMARANTH FAMILY

APHIDINAE (APHIDINI):
Aphis abbreviata Patch. Patch, 1924a, p. 36.
Amaranthus retroflexus.
Aphis achyranthi Theobald. Theobald, 1929c, p. 196.
Achyranthes.
Aphis evonymi Fabricius. Nevsky, 1929b, p. 393.
Amaranthus retroflexus.
Aphis fabae Scopoli. Werder, 1931a, p. 80.
Amaranthus caudatus, A. paniculatus.
Aphis gillettei Cowen. Cowen, 1895a, p. 120.
Amaranthus retroflexus.

Aphis glycines Matsumura. Shinji, 1932a.
Achyranthes bidentata.
Aphis gossypii Glover. Goff, 1932a, p. 10; Pergande, 1895a, p. 313.
Amaranthus viridis.
Aphis helianthi Monell. Jones, 1929a, p. 27.
Amaranthus.
Aphis maidi-radicis Forbes. Davis, 1909b, p. 124; Vickery, 1910a, p. 102.
Amaranthus hybridus, A. retroflexus, A. spinosus.
Aphis medicaginis Koch. Gillette, 1932b, p. 417.
Amaranthus.
Aphis middletonii Thomas. Essig, 1917a, p. 340.
Amaranthus retroflexus.
Aphis rumicis Linnaeus. Horsfall, 1925a, p. 48.
Amaranthus retroflexus.
Aphis spiraecola Patch. Miller, 1929a, p. 438.
Amaranthus.
Macrosiphum gei Koch. Hottes, 1931b, p. 389; Theobald, 1926a, p. 111.
Amaranthus paniculatus, A. retroflexus.
Macrosiphum schranki Theobald. Hottes, 1931b, p. 389.
Amaranthus.
Macrosiphum solanifolii Ashmead. Patch, 1921a, p. 328.
Amaranthus retroflexus, A. spinosus.
Myzus persicae Sulzer. Gillette, 1908a, p. 35.
Achyranthes, Alternanthera, Amaranthus, Iresine lindeni.
Myzus pseudosolani Theobald. Patch, 1928a, p. 55.
Amaranthus hybridus, A. retroflexus.
ERIOSOMATINAE:
Trifidaphis phaseoli Passerini. Theobald, 1929a, p. 211.
Amaranthus graecizans, A. retroflexus.

PHYTOLACCACEAE

POKEWEED FAMILY

Aphis spiraecola Patch. Miller, 1929a, p. 438.
Phytolacca decandra.
Macrosiphum solanifolii Ashmead. Patch, 1921a, p. 328.
Phytolacca decandra.

NYCTAGINACEAE

FOUR-O'CLOCK FAMILY

Aphis fabae Scopoli. Franssen, 1927a, p. 260.
Mirabilis jalapa.
Aphis gossypii Glover. Goff, 1932a, p. 10; Takahashi, 1931a, p. 45.
Boerhaavia viscosa, Bougainvillaea spectabilis.
Aphis helianthi Monell. Gillette, 1932b, p. 403; Jones, 1929a, p. 27.
Allionia linearis, A. nyctaginea, Oxybaphus.

Aphis malvoides Das. Das, 1918a.
Bougainvillaea.
Aphis oxybaphi Oestlund. Oestlund, 1887a, p. 62.
Oxybaphus angustifolius.
Aphis papaveris Fabricius. Del Guercio, 1911a, p. 297.
Bougainvillaea brasiliensis.
Aphis rumicis Linnaeus. Hottes, 1931b, p. 396.
Oxybaphus nyctagineus.
Myzus persicae Sulzer. Swain, 1919a, p. 161.
Bougainvillaea.

AIZOACEAE

CARPET-WEED FAMILY

Aphis evonymi Fabricius. Swain, 1919a, p. 169.
Mesembryanthemum.
Aphis gossypii Glover. Hall, 1926a, p. 19.
Mesembryanthemum.
Myzus persicae Sulzer. Hall, 1926a, p. 41.
Mesembryanthemum.

CARYOPHYLLACEAE

PINK FAMILY

APHIDINAE:
Anuraphis lychnidis Linnaeus. Van der Goot, 1915a, p. 260; Del Guercio, 1911a, p. 297; Schouteden, 1906a, p. 232; Theobald, 1927a, p. 269; Werder, 1931a, p. 80, 81.
Lychnis diurna, L. divaricata, L. vescaria, L. vespertina, Melandrium album, M. diurnum, M. rubrum, Silene dichotoma, S. inflata, S. sendtneri.
Anuraphis subterranea Walker. Theobald, 1927a, p. 279.
Dianthus plumarius.
Aphis abbreviata Patch. Patch, 1924a, p. 36.
Stellaria media.
Aphis cadiva Walker. Wilson, 1918a, p. 47.
Silene maritima.
Aphis fabae Scopoli. Werder, 1931a, p. 80.
Dianthus carthusianorum, Melandrium album.
Aphis githaginella Theobald. Theobald, 1927a, p. 169.
Lychnis githago.
Aphis gossypii Glover. McDaniel, 1931a, p. 51; Patch, 1925b, p. 189.
Dianthus, Spergula arvensis, Stellaria media.
Aphis laburni Kaltenbach. Nevsky, 1929b, p. 185.
Dianthus crinitus, Melandrium noctiflorum.
Aphis medicaginis Koch. Van der Goot, 1916a, p. 295.
Dianthus chinensis.

Aphis nasturtii Kaltenbach. Theobald, 1927a, p. 140.
Stellaria aquatica, S. uliginosa.
Aphis plantaginis Schrank. Theobald, 1927a, p. 131.
Dianthus, Lychnis diurna.
Aphis rumicis Linnaeus. Horsfall, 1925a, p. 24; Hottes, 1931b, p. 393.
Dianthus, Stellaria media.
Aphis silenea Ferrari. Ferrari, 1872a, p. 72.
Silene inflata.
Aphis wilsoni Laing. Judenko, 1930a, p. 136; Theobald, 1927a, p. 181.
Dianthus plumarius.
Brachycolus stellariae Hardy. Van der Goot, 1915a, p. 267; Theobald, 1927a, p. 313.
Cerastium triviale, Stellaria graminea, S. holostea.
Hyalopterus melanocephalus Buckton. Theobald, 1927a, p. 31.
Silene inflata.
Macrosiphum agrostemnium Theobald. Theobald, 1913b, p. 52.
Agrostemma githago.
Macrosiphum cerastii Kaltenbach. Theobald, 1913b, p. 55.
Stellaria graminea.
Macrosiphum gei Koch. Theobald, 1926a, p. 111.
Stellaria graminea.
Macrosiphum githago Theobald. Theobald, 1913b, p. 52.
Agrostemma githago.
Macrosiphum granarium Kirby. Zirnits, 1927a, p. 204.
Spergula arvensis.
Macrosiphum incertum Mordvilko. Mordvilko, 1919a, p. 502.
Stellaria.
Macrosiphum jaceae Linnaeus. Theobald, 1926a, p. 96.
Alsine.
Macrosiphum montanum Lambers. Lambers, 1931a, p. 8.
Silene inflata.
Macrosiphum rudbeckiae Fitch. Olsen, 1921a, p. 15.
Silene noctiflora.
Macrosiphum sileneum Theobald. Theobald, 1926a, p. 103.
Silene inflata.
Myzus persicae Sulzer. Gillette, 1908a, p. 35; Griswold, 1927b, p. 15; Takahashi, 1923a, p. 79; Theobald, 1926a, p. 322.
Cerastium semidecandrum, Dianthus chinensis, Stellaria aquatica, S. media.
Myzus pseudosolani Theobald. Patch, 1928a, p. 55.
Cerastium vulgatum, Stellaria media.
Myzus solani Kaltenbach. Bartholomew, 1932a, p. 727.
Stellaria.
Myzus stellariae Strand. Takahashi, 1931a, p. 70.
Stellaria aquatica.

ERIOSOMATINAE:
Pemphigus inflatae Del Guercio. Del Guercio, 1911a, p. 298.
Silene inflata.

PORTULACACEAE

PURSLANE FAMILY

APHIDINAE:

Aphis abbreviata Patch. Patch, 1924a, p. 36.
Portulaca oleracea.

Aphis fabae Scopoli. Nevsky, 1929b, p. 399.
Portulaca oleracea.

Aphis gossypii Glover. Patch, 1925b, p. 189; Theobald, 1927a, p. 144.
Cosmia, Portulaca oleracea.

Aphis laburni Kaltenbach. Del Guercio, 1911a, p. 297; Nevsky, 1929b, p. 399.
Portulaca oleracea.

Aphis maidi-radicis Forbes. Davis, 1909b, p. 124.
Portulaca oleracea.

Aphis medicaginis Koch. Van der Goot, 1916a, p. 100.
Portulaca oleracea.

? **Aphis portulacae** Passerini. Del Guercio, 1911a, p. 297.
Portulaca oleracea.

Aphis rumicis Linnaeus. Theobald, 1927a, p. 84.
Portulaca oleracea.

Aphis spiraecola Patch. Patch, 1923a, p. 50, 1929a, p. 699.
Portulaca oleracea.

Myzus persicae Sulzer. Mason, 1927a, p. 89.
Portulaca oleracea.

Myzus portulacae Macchiati. Macchiati, 1883a, p. 280.
Portulaca oleracea.

Myzus pseudosolani Theobald. Patch, 1928a, p. 55.
Portulaca oleracea.

Xerophilaphis plotnikovi Nevsky. Nevsky, 1929a, p. 399.
Portulaca oleracea.

ERIOSOMATINAE:

Geoica phaseoli Passerini. Hall, 1926a, p. 47.
Portulaca.

NYMPHAEACEAE

WATER LILY FAMILY

Aphis gossypii Glover. Swain, 1919a, p. 169.
Nymphaea.

Aphis maidis Fitch. Hottes, 1931b, p. 391, 396.
Brasenia schreberi, Nymphaea.

Macrosiphum audeni Macdougall. Macdougall, 1926b.
Nymphaea polysepalum.

Rhopalosiphum nymphaeae Linnaeus. Essig, 1918a, p. 40; Gillette, 1932b, p. 480; Hori, 1929b, p. 16; Hottes, 1931b, p. 391; Judenko, 1930a, p. 81; Nevsky, 1929b, p. 403; Theobald, 1927a, p. 64; Werder, 1931a, p. 81.

Cabomba caroliniana, Castalia, Nelumbium speciosum, Nelumbo nucifera, Nuphar japonicum, N. luteum, Nymphaea alba, N. coerulea, N. lutea, N. odorata, N. polysepala, Victoria regia.

CERATOPHYLLACEAE

HORNWORT FAMILY

Rhopalosiphum nymphaeae Linnaeus. Gillette, 1932b, p. 480.
Ceratophyllum.

CERCIDIPHYLLACEAE

KATSURA-TREE FAMILY

Macrosiphum cercidiphylli Matsumura. Matsumura, 1918a, p. 2.
Cercidiphyllum japonicum.

RANUNCULACEAE

CROWFOOT FAMILY

APHIDINAE (APHIDINI):

Amphorophora aconiti van der Goot. Van der Goot, 1915a, p. 142; Judenko, 1930a, p. 136; Theobald, 1926a, p. 207.
Aconitum napellus, Delphinium barlowii.

Amphorophora brevitarsis Gillette and Palmer. Gillette, 1934a, p. 136.
Clematis ligusticifolia.

Anuraphis napelli Schrank. Werder, 1931a, p. 81.
Aconitum napellus.

Anuraphis ranunculi Kaltenbach. Theobald, 1927a, p. 307.
Ranunculus acris, R. repens.

Aphis abbreviata Patch. Patch, 1924a, p. 36.
Ranunculus acris.

Aphis aquilegia-canadensis Rafinesque. Rafinesque, 1817a.
Aquilegia canadensis.

Aphis clematidis Koch. Koch, 1857a, p. 78; Werder, 1931a, p. 81.
Clematis recta, C. vitalba.

Aphis clematidis Nevsky. Nevsky, 1929b, p. 162.
Clematis orientalis.

Aphis fabae Scopoli. Franssen, 1927a, p. 260.
Clematis viticella, Ranunculus.

Aphis gossypii Glover. Hall, 1926a, p. 19.
Aquilegia vulgaris, Delphinium.

Aphis linguae Opmanis. Opmanis, 1928a.
Ranunculus lingua.

Aphis malvae Walker. Buckton, 1879a, p. 43.
Aquilegia.

Aphis middletonii Thomas. Swain, 1919a, p. 173.
Ranunculus.

Aphis rociadae Cockerell. Cockerell, 1903d, p. 115; Davis, 1919a, p. 228.
Delphinium sapellonis, D. tricorne.

Aphis rumicis Linnaeus. Van der Goot, 1915a, p. 225; Patch, 1923b, p. 296.
Cimicifuga, Ranunculus.

Aphis spiraecola Patch. Hottes, 1931b, p. 390; Patch, 1923a, p. 50, 1929a, p. 699.
Aquilegia canadensis, Ranunculus acris.

Aphis vitalbae Ferrari. Lichtenstein, 1884a.
Clematis vitalba.

Brachysiphum thalictri Koch. Van der Goot, 1915a, p. 268; Koch, 1857a, p. 81; Zirnits, 1927a, p. 247.
Thalictrum aquilegifolium, T. minus.

Dentatus crataegi Kaltenbach. Van der Goot, 1915a, p. 177; Lambers, 1931c, p. 4.
Ranunculus repens.

Hyalopterus flavus Kittel. Jackson, 1919a, p. 160.
Aquilegia.

Kakimia wahinkae Hottes. Gillette, 1934a, p. 168.
Aconitum columbianum, Delphinium occidentale.

Longicaudus trirhodus Walker. Theobald, 1927a, p. 37.
Aquilegia vulgaris, Thalictrum minus.

Macrosiphum clematidis Takahashi. Nevsky, 1929b, p. 394; Takahashi, 1927a, p. 2.
Atragene orientalis, Clematis gouriana.

Macrosiphum gei Koch. Ogilvie, 1928a, p. 22.
Ranunculus.

Macrosiphum hellebori Theobald and Walton. Theobald, 1926a, p. 102.
Helleborus foetidus.

Macrosiphum purpurascens Oestlund. Gillette, 1934a, p. 166; Oestlund, 1887a, p. 81.
Thalictrum purpurascens.

Macrosiphum solanifolii Ashmead. Gillette, 1934a, p. 196; Patch, 1921a, p. 328.
Aquilegia, Clematis crispa.

Macrosiphum vereshtshagini Mordvilko. Mordvilko, 1919a, p. 483.
Cimicifuga foetida.

Myzus aquilegiae Essig. Essig, 1917a, p. 317; Knowlton, 1929b, p. 10.
Aquilegia coerulea, A. chrysantha, A. truncata.

Myzus aquilegiae Theobald. Glendenning, 1929b; Theobald, 1926a, p. 311.
Aquilegia, Ranunculus.

Macrosiphum clematifoliae Shinji. Takahashi, 1927a, p. 3.
Clematis.

Myzus circumflexus Buckton. Davis, 1914a, p. 122.
Anemone cylindrica, Aquilegia canadensis, A. flavescens, Ranunculus acris.

Myzus essigi Gillette and Palmer. Gillette, 1934a, p. 164; Hottes, 1931a, p. 390.
Aquilegia canadensis, A. coerulea.

Myzus junackianus Karsch. Theobald, 1926a, p. 208; Wilson, 1918a, p. 96.
Aconitum cammarum, A. lycoctonum.

Myzus persicae Sulzer. Griswold, 1927b, p. 15; Hottes, 1931b, p. 390; Passerini, 1863a, p. 335; Theobald, 1926a, p. 322.
Aquilegia canadensis, A. vulgaris, Ranunculus asiaticus, R. bulbosus, Thalictrum minus.

Myzus pseudosolani Theobald. Patch, 1928a, p. 55.
Aquilegia vulgaris, Ranunculus acris, R. repens.

Myzus ranunculi Del Guercio. Del Guercio, 1900a, p. 151; Schouteden, 1906a, p. 233.
Ranunculus acris, R. velutinus.

Myzus ranunculinus Walker. Theobald, 1926a, p. 317.
Ranunculus.

Myzus thalictri Williams. Williams, 1910a, p. 69.
Thalictrum polygamum.

Myzus varians Davidson. Davidson, 1912a, p. 410; Essig, 1917a, p. 335; Takahashi, 1924a, p. 30.
Clematis brachiata, C. ligusticifolia.

Pergandeidia thalictri Matsumura. Matsumura, 1918a, p. 8; Takahashi, 1924a, p. 107.
Thalictrum aquilegifolium, T. minus.

Rhopalosiphoninus calthae Koch. Koch, 1857a, p. 48; Theobald, 1926a, p. 213.
Caltha palustris.

Rhopalosiphum nymphaeae Linnaeus. Gillette, 1932b, p. 480; Theobald, 1927a, p. 64.
Batrachium trichophyllum, Ranunculus sceleratus.

Rhopalosiphum pseudobrassicae Davis. Takahashi, 1931a, p. 52.
Ranunculus sceleratus.

Toxoptera clematidis Del Guercio. Phillips, 1912a, p. 8.
Clematis.

APHIDINAE (LACHNINI):

Trama radicis Kaltenbach. Schouteden, 1906a, p. 208.
Ranunculus repens.

Trama ranunculi Del Guercio. Del Guercio, 1907a, p. 344.
Ranunculus velutinus.

ERIOSOMATINAE:

Eriosoma clematicola Takahashi. Takahashi, 1924a, p. 100.
Clematis fouriana.

Thecabius affinis Kaltenbach. Van der Goot, 1915a, p. 461; Mordvilko, 1935a, p. 64; Theobald, 1929a, p. 223; Tullgren, 1909a, p. 110.
Ranunculus flammula, R. repens.

Thecabius californicus Davidson. Glendenning, 1929b, p. 57; Swain, 1919a, p. 145.
Ranunculus, R. occidentalis.

Thecabius populi-conduplifolius Cowen. Swain, 1919a, p. 145.
Ranunculus.

HORMAPHIDINAE:
Astegopteryx japonica Takahashi. Takahashi, 1923a, p. 67.
Ranunculus.

MAGNOLIACEAE

MAGNOLIA FAMILY

Aphis gossypii Glover. Takahashi, 1930c, p. 274.
Magnolia.
Aphis magnoliae Macchiati. Macchiati, 1883a, p. 254.
Magnolia grandiflora.
Aphis rumicis Linnaeus. Van der Goot, 1915a, p. 225.
Magnolia.
Calaphis magnoliae Essig and Kuwana. Essig, 1918a, p. 87.
Magnolia kobus.
Calaphis magnolicolens Takahashi. Takahashi, 1923a, p. 125.
Magnolia hypoleuca.
Formosaphis micheliae Takahashi. Takahashi, 1925a, p. 54.
Michelia longifolia.
Macrosiphum liriodendri Monell. Davis, 1909a, p. 36.
Liriodendron tulipifera.
Macrosiphum tulipae Monell. Gillette, 1911c, p. 383.
Liriodendron tulipifera.
Myzus persicae Sulzer. Essig, 1917a, p. 331.
Liriodendron tulipifera.
Rhopalosiphum magnoliae Essig and Kuwana. Essig, 1918a, p. 62.
Magnolia conspicua.
Toxoptera aurantii Boyer. Essig, 1918a, p. 80.
Illicium anisatum.

ANONACEAE

CUSTARD APPLE FAMILY

Aphis gossypii Glover. Goff, 1932a, p. 10; Theobald, 1928b, p. 153.
Anona muricata.
Aphis sassceri Wilson. Wilson, 1911a, p. 59.
Anona rectilinata.
Toxoptera aurantii Boyer. Van der Goot, 1916a, p. 78.
Anona muricata, A. squamosa.
Trichosiphum anonae Pergande. Pergande, 1906a, p. 207.
Anona muricata.

BERBERIDACEAE

BARBERRY FAMILY

Amphorophora viburni Takahashi. Takahashi, 1925a, p. 24.
Mahonia morrisonensis.
Anuraphis lanigera Takahashi. Takahashi, 1927a, p. 8.
Stauntonia hebandra.
Aphis abbreviata Patch. Patch, 1924a, p. 36.
Berberis thunbergii.
Aphis rhamni Boyer. Patch, 1924a, p. 36.
Berberis thunbergii.
Liosomaphis berberidis Kaltenbach. Hottes, 1931b, p. 235; Swain, 1919a, p. 130; Theobald, 1927a, p. 43.
Berberis thunbergii, B. vulgaris, Mahonia.

CALYCANTHACEAE

CALYCANTHUS FAMILY

Aphis rumicis Linnaeus. Horsfall, 1925a, p. 24.
Calycanthus fertilis.

LAURACEAE

LAUREL FAMILY

APHIDINAE:
Aiceona actinodaphnii Takahashi. Takahashi, 1923a, p. 142, 1924a, p. 120.
Actinodaphne pedicellata, Lindera glauca.
Aphis gossypii Glover. Goff, 1932a, p. 10; Swain, 1919a, p. 170.
Persea persea.
Aphis spiraecola Patch. Miller, 1929a, p. 438.
Persea persea.
Aphis viburnicolens Swain. Swain, 1919a, p. 126.
Laurus rotundifolia.
Hyadaphis umbellulariae Davidson. Davidson, 1911a, p. 559.
Umbellularia californica.
Lizerius ocoteae Blanchard. Blanchard, 1923b, p. 125.
Ocotea acutifolia.
Macrosiphoniella citricola van der Goot. Van der Goot, 1916a, p. 36; Takahashi, 1923a, p. 76.
Cinnamomum camphora, C. zeylanicum.
Megoura jacobsoni Mason. Mason, 1927a, p. 89.
Cinnamomum burmanni.
Micromyzus nigrum van der Goot. Van der Goot, 1918c.
Cinnamomum zeylanicum.
Myzus circumflexus Buckton. Essig, 1917a, p. 335.
Umbellularia californica.

Myzus persicae Sulzer. Essig, 1917a, p. 331.
Umbellularia californica.
Phyllaphis machili Takahashi. Takahashi, 1928b, p. 147.
Machilus longipaniculata, M. thunbergii.
Siphocoryne pastinacae Linnaeus. Swain, 1919a, p. 133.
Umbellularia californica.

HORMAPHIDINAE:
Astegopteryx formosana Takahashi. Takahashi, 1929a, p. 101.
Machilus.
Thoracaphis cuspidatae Essig and Kuwana. Essig, 1932a, p. 4.
Cinnamomum.
Thoracaphis linderae Shinji. Shinji, 1926a.
Lindera praecox, L. umbellata.
Thoracaphis umbellulariae Essig. Essig, 1932a, p. 1.
Umbellularia californica.

PAPAVERACEAE

POPPY FAMILY

Acyrthosiphon ilka Mordvilko. Mordvilko, 1914a, p. 149.
Papaver nudicauli.
Anuraphis padi Linnaeus. Theobald, 1927a, p. 245, 250, 403.
Glaucium luteum.
Aphidiella secretocauda Theobald. Theobald, 1927a, p. 220.
Glaucium luteum.
Aphis acetosella Theobald. Theobald, 1927a, p. 158.
Papaver.
Aphis evonymi Fabricius. Swain, 1919a, p. 101.
Papaver.
Aphis fabae Scopoli. Roepke, 1928a, p. 7; Werder, 1931a, p. 81.
Meconopsis cambrica, Papaver somniferum.
Aphis gossypii Glover. Swain, 1919a, p. 165; Takahashi, 1923a, p. 97.
Papaver somniferum.
Aphis papaveris Fabricius. Börner, 1922a.
Papaver.
Aphis rumicis Linnaeus. Theobald, 1927a, p. 102.
Glaucium luteum, Meconopsis cambrica, Papaver dubium, P. hybridum, P. rhoeas, P. somniferum.
Cavariella umbellatarum Koch. Theobald, 1927a, p. 16.
Glaucium luteum.
Macrosiphum gei Koch. Theobald, 1926a, p. 111.
Glaucium luteum.
Macrosiphum glaucii Lichtenstein. Wilson, 1918a, p. 83.
Glaucium.
Macrosiphum sanguinarium Hottes and Frison. Hottes, 1931b, p. 325.
Sanguinaria canadensis.

Macrosiphum solanifolii Ashmead. Gillette, 1934a, p. 196.
Papaver.
Myzus chelidonii Kaltenbach. Theobald, 1926a, p. 347.
Chelidonium majus.
Myzus glauci Theobald. Theobald, 1926a, p. 331.
Glaucium luteum.
Myzus persicae Sulzer. Takahashi, 1923a, p. 79.
Papaver somniferum.
Rhopalosiphum papaveris Takahashi. Takahashi, 1921a, p. 36.
Papaver somniferum.
Yamataphis papaveris Takahashi. Takahashi, 1921a, p. 36.
Papaver somniferum.

FUMARIACEAE

FUMITORY FAMILY

Aphis fabae Scopoli. Franssen, 1927a, p. 260.
Fumaria officinalis.
Aphis fumariae Blanchard. Wilson, 1918a, p. 79.
Fumaria officinalis.
Aphis laburni Kaltenbach. Theobald, 1927a, p. 83.
Fumaria muralis.
Aphis papaveris Fabricius. Börner, 1922a.
Fumaria.
Aphis rumicis Linnaeus. Theobald, 1927a, p. 102.
Corydalis lutea, Fumaria officinalis.
Kakimia tutigula Hottes. Gillette, 1934a, p. 167.
Capnoides.
Macrosiphum corydalis Oestlund. Oestlund, 1887a, p. 82.
Corydalis aurea.

CRUCIFERAE

MUSTARD FAMILY

APHIDINAE (APHIDINI):
Acyrthosiphon paczoskii Mordvilko. Mordvilko, 1914a, p. 178.
Lepidium perfoliatum.
Anuraphis padi Linnaeus. Theobald, 1927a, p. 223, 250, 403.
Capsella bursa-pastoris.
Aphis abbreviata Patch. Patch, 1924a, p. 36.
Brassica arvensis, B. oleracea, Capsella bursa-pastoris, Radicula palustris, Raphanus raphanistrum, Sisymbrium incisum.
Aphis acaroides Rafinesque. Hottes, 1931a, p. 68; Wilson, 1918a, p. 28.
Lepidium virginicum.
Aphis arabis-mollis Rafinesque. Hottes, 1931a, p. 67; Rafinesque, 1918a, p. 17; Wilson, 1918a, p. 35.
Arabis canadensis, A. mollis.

Aphis armoraciae Cowen. Vickery, 1910a, p. 113.
Radicula armoracia.
Aphis bakeri Cowen. Gillette, 1932b, p. 383.
Capsella bursa-pastoris.
Aphis brassica-napus Rafinesque. Hottes, 1931a, p. 67; Wilson, 1918a, p. 45.
Brassica napus.
Aphis capsellae Kaltenbach. Kaltenbach, 1843a, p. 58; Schouteden, 1906a, p. 218; Wilson, 1918a, p. 49.
Capsella bursa-pastoris.
Aphis capsellae Koch. Koch, 1854a, p. 77; Wilson, 1918a, p. 49.
Capsella bursa-pastoris.
Aphis erysimi Kaltenbach. Theobald, 1927a, p. 208.
Capsella bursa-pastoris, Erysimum officinale, Raphanus raphanistrum.
Aphis evonymi Fabricius. Franssen, 1927a, p. 259.
Capsella bursa-pastoris.
Aphis fabae Scopoli. Roepke, 1928a, p. 7.
Capsella bursa-pastoris.
Aphis gossypii Glover. Gillette, 1932b, p. 401; van der Goot, 1916a, p. 96; Hottes, 1931b, p. 196; Patch, 1925b, p. 189; Theobald, 1927a, p. 144.
Arabidopsis thaliana, Arabis drummondi, Brassica, Capsella bursa-pastoris, Lepidium virginicum, Nasturtium indicum, Sophia.
Aphis helichrysi Kaltenbach. Gillette, 1932b, p. 405.
Capsella bursa-pastoris.
Aphis laburni Kaltenbach. Nevsky, 1929b, p. 393, 395.
Alyssum, Capsella bursa-pastoris.
Aphis maidi-radicis Forbes. Davis, 1909b, p. 124; Vickery, 1910a, p. 102, 103.
Brassica nigra, B. oleracea, Capsella bursa-pastoris, Lepidium apetalum, L. virginicum.
Aphis mathiolae Theobald. Hall, 1926a, p. 22.
Matthiola.
Aphis medicaginis Koch. Gillette, 1932b, p. 417; van der Goot, 1916a, p. 295.
Capsella bursa-pastoris, Lepidium, Nasturtium heterophyllum, N. indicum, Sophia.
Aphis middletonii Thomas. Gillette, 1932b, p. 419.
Capsella bursa-pastoris, Radicula armoracia, Sophia.
Aphis nasturtii Kaltenbach. Theobald, 1927a, p. 140.
Nasturtium amphibium, N. palustris, N. sylvestris, Radicula nasturtium, Sisymbrium officinale.
Aphis plantaginis Schrank. Del Guercio, 1911a, p. 297.
Capsella bursa-pastoris.
Aphis polygoni van der Goot. Zirnits, 1927a, p. 210.
Nasturtium palustre.
Aphis rumicis Linnaeus. Davidson, 1925a, p. 234; van der Goot, 1915a, p. 225; Horsfall, 1925a, p. 49; Theobald, 1927a, p. 84.
Capsella bursa-pastoris, Lepidium draba, Nasturtium.
Aphis scabiosae Schrank. Van der Goot, 1915a, p. 230.
Capsella bursa-pastoris.

Aphis spiraecola Patch. Patch, 1923a, p. 50, 1929a, p. 699.
Capsella bursa-pastoris, Nasturtium palustre, Raphanus raphanistrum.

Aphis symphiti Schrank. Theobald, 1927a, p. 133.
Capsella bursa-pastoris.

Brachycaudus asselbergsi Lambers. Lambers, 1931c, p. 4.
Capsella bursa-pastoris.

Brevicoryne barbareae Nevsky. Nevsky, 1929a, p. 211.
Barbarea vulgaris.

Brevicoryne brassicae Linnaeus. Börner, 1921b; Das, 1918a, p. 168; Gould, 1930a, p. 819; Hall, 1926a, p. 27; Headlee, 1925a, p. 8; Hori, 1929b, p. 48; Macchiati, 1883a, p. 238; Nevsky, 1929b, p. 398; Ogilvie, 1928a, p. 22; Theobald, 1927a, p. 49.
Arabidopsis thaliana, Barbarea vulgaris, Brassica arvensis, B. caulorapa, B. juncea, B. napobrassica, B. nigra, B. oleracea, B. pekinensis, B. pe-tsai, B. rapa, Bunias erucago, Capsella bursa-pastoris, Crambe, Diplotaxis tenuifolia, Eruca, Erucastrum, Erysimum canescens, Iberis, Isatis tinctoria, Lepidium ruderale, L. sativum, Matthiola incana, M. odoratissima, Myagrum, Raphanus landra, R. raphanistrum, R. sativus.

Cavariella capreae Fabricius. Theobald, 1927a, p. 8.
Erysimum vulgare.

Dentatus capsellae Mordvilko. Nevsky, 1929b, p. 395.
Capsella bursa-pastoris.

Macrosiphum alliariae Linnaeus-Koch. Koch, 1857a, p. 160; Wilson, 1918a, p. 32.
Sisymbrium alliaria, S. officinale.

Macrosiphum gei Koch. Theobald, 1926a, p. 111.
Brassica rapa, Capsella bursa-pastoris.

Macrosiphum kaltenbachii Schouteden. Theobald, 1926a, p. 127.
Alliaria officinale.

Macrosiphum lycopersicella Theobald. Theobald, 1914c, p. 315.
Brassica.

Macrosiphum pisi Kaltenbach. Patch, 1927b, p. 14.
Capsella bursa-pastoris.

Macrosiphum sisymbrii Buckton. Theobald, 1926a, p. 89.
Sisymbrium officinale.

Macrosiphum solani Kaltenbach. Matsumura, 1917b, p. 361.
Capsella.

Macrosiphum solanifolii Ashmead. Gould, 1930a, p. 817; Jones, 1929a, p. 42; Patch, 1921a, p. 328.
Arabidopsis thaliana, Barbarea vulgaris, Brassica alba, B. nigra, B. oleracea, B. rapa, Capsella bursa-pastoris, Cochlearia armoracia, Lepidium campestre, L. virginicum, Raphanus sativa.

Myzaphis lepidii Nevsky. Nevsky, 1929a, p. 199.
Lepidium repens.

Myzotoxoptera wimshurstae Theobald. Theobald, 1927d, p. 33.
Cardamine hirsuta.

Myzus cerasi Fabricius. Knowlton, 1934b; Ross, 1917a, p. 434, 1918a, p. 14; Zeck, 1935a, p. 332.

Brassica arvensis, Capsella bursa-pastoris, Erysimum cheiranthoides, Lepidium apetalum, L. sativum, Roripa nasturtium-aquaticum.

Myzus circumflexus Buckton. Davis, 1914a, p. 122; Swain, 1919a, p. 163, 174; Theobald, 1926a, p. 333.

Arabis, Cheiranthus, Sisymbrium.

Myzus conterminus Walker. Theobald, 1926a, p. 366.

Cakile maritima.

Myzus persicae Sulzer. Das, 1918a; Essig, 1918a, p. 38; Gillette, 1908a, p. 35–36, 1934a, p. 205; van der Goot, 1916a, p. 49, 294; Gould, 1930a, p. 814–815; Hall, 1926a, p. 41; Hori, 1929b, p. 48; Horsfall, 1924b, p. 4; Mason, 1921a, p. 22, 23; Nevsky, 1929b, p. 395, 396; Takahashi, 1921a, p. 19; Theobald, 1926a, p. 322, 323.

Aubrietia, Barbarea vulgaris, Brassica arvensis, B. caulorapa, B. campestris, B. juncea, B. napus, B. nigra, B. oleracea, B. pe-tsai, B. rapa, Capsella bursa-pastoris, Cheiranthus cheiri, Cochlearia armoracia, Coronopus didymus, Eruca sativa, Lepidium draba, Matthiola, Nasturtium armoracea, N. indicum, N. officinale, Radicula nasturtium-aquaticum, Raphanus raphanistrum, R. sativus, Rapistrum rugosum, Roripa nasturtium, Senebiera pinnatifida, Sisymbrium canescens, S. irio.

Myzus pseudosolani Theobald. Patch, 1928a, p. 55.

Capsella bursa-pastoris.

Rhopalosiphum nymphaeae Linnaeus. Knowlton, 1935d, p. 193.

Radicula.

Rhopalosiphum pseudobrassicae Davis. Davis, 1914a, p. 231; Gillette, 1932b, p. 487; Gould, 1930a, p. 824; Hall, 1926a, p. 24; Hori, 1929b, p. 48; Hottes, 1931b, p. 240; Mason, 1927a, p. 87; Ogilvie, 1928a, p. 22; Takahashi, 1921a, p. 33.

Barbarea vulgaris, Brassica campestris, B. caulorapa, B. cerunua, B. juncea, B. napobrassica, B. napus, B. nigra, B. oleracea, B. pekinensis, B. pe-tsai, B. rapa, B. rugosa, Capsella bursa-pastoris, Lepidium campestre, L. virginicum, Matthiola incana, Raphanus raphanistrum, R. sativa, Roripa nasturtium.

Rhopalosiphum sisymbrii Del Guercio. Del Guercio, 1913f, p. 164.

Sisymbrium arnottianum.

Xerophilaphis deformans Nevsky. Nevsky, 1929b, p. 241.

Lepidium latifolium.

Xerophilaphis plotnikovi Nevsky. Nevsky, 1929b, p. 249.

Brassica arvensis.

APHIDINAE (LACHNINI):

Anoecia corni Fabricius. Judenko, 1930a, p. 136.

Cheiranthus annuus.

ERIOSOMATINAE:

Forda occidentalis Hart. Hart, 1894a, p. 96.
Capsella bursa-pastoris.

Geoica squamosa Hart. Cutright, 1925a, p. 212; Theobald, 1929a, p. 193.
Capsella bursa-pastoris.

Pemphigus burrowi Sanborn. Sanborn, 1904a, p. 19.
Nasturtium sinuatum.

Pemphigus lactucae Fitch. Cutright, 1925a, p. 201; Sweetman, 1928a, p. 595.
Arabis glabra, A. laevigata, Barbarea vulgaris, Brassica oleracea, Capsella bursa-pastoris, Lepidium campestre, Radicula armoracia.

Pemphigus populi-transversus Riley. Cutright, 1925a, p. 206; Hottes, 1931b, p. 368; Jones, 1918a, p. 588; Maxson, 1929a, p. 263.
Barbarea vulgaris, Brassica napus, B. nigra, B. oleracea, B. rapa, Coronopus didymus, Lepidium virginicum, Roripa.

Prociphilus erigeronensis Thomas. Cutright, 1925a, p. 207.
Capsella bursa-pastoris.

Trifidaphis phaseoli Passerini. Mordvilko, 1935a, p. 184; Nevsky, 1929b, p. 382; Theobald, 1929a, p. 211.
Brassica oleracea, B. rapa, Capsella bursa-pastoris, Sisymbrium.

CAPPARIDACEAE

CAPER FAMILY

Anuraphis capparidis Nevsky. Nevsky, 1929a, p. 218.
Capparis spinosa.

Aphis medicaginis Koch. Gillette, 1932b, p. 417.
Cleome serrulata.

Aphis polanisiae Oestlund. Oestlund, 1887a, p. 67.
Polanisia graveolens.

Aphis polanisa-graveolens Rafinesque. Rafinesque, 1818a.
Polanisia graveolens.

Rhopalosiphum pseudobrassicae Davis. Mason, 1927a, p. 87.
Gynandropsis speciosa.

RESEDACEAE

MIGNONETTE FAMILY

Aphis introducta Walker. Theobald, 1927a, p. 218.
Reseda odorata.

Aphis rumicis Linnaeus. Van der Goot, 1915a, p. 225; Theobald, 1927a, p. 85.
Reseda odorata.

DROSERACEAE

SUNDEW FAMILY

Aphis droserae Takahashi. Takahashi, 1923a, p. 109.
Drosera lourerii.

CRASSULACEAE

ORPINE FAMILY

Aphis abbreviata Patch. Patch, 1924a, p. 37.
Sedum purpureum.
Aphis gossypii Glover. Hottes, 1931b, p. 400; Patch, 1925b, p. 189.
Sedum purpureum, S. reflexum.
Aphis papaveris Fabricius. Macchiati, 1883a, p. 256.
Crassula perfossa.
Aphis sedi Kaltenbach. Theobald, 1927a, p. 128.
Sedum album, S. maximum, S. reflexum, S. telephium.
Myzus persicae Sulzer. Hall, 1926a, p. 41; Hottes, 1931b, p. 400.
Bryophyllum, Sedum artissimum.

SAXIFRAGACEAE

SAXIFRAGE FAMILY

APHIDINAE (APHIDINI):
Amphorophora brittenii Theobald. Mason, 1925a, p. 14; Theobald, 1926a, p. 183.
Ribes.
Amphorophora cosmopolitana Mason. Hottes, 1931b, p. 399; Mason, 1925a, p. 26; Theobald, 1926a, p. 202.
Deutzia crenata, Ribes nigrum, R. odoratum.
Amphorophora hayhursti Mason. Mason, 1925a, p. 32.
Ribes gracile.
Amphorophora lactucae Kaltenbach. Zirnits, 1930a, p. 11.
Ribes alpinum, R. grossularia, R. nigrum, R. rubrum.
Amphorophora pergandei Mason. Mason, 1925a, p. 51.
Ribes.
Amphorophora rhinanthi Schouteden. Lambers, 1931i, p. 176; Theobald, 1926a, p. 185; Zirnits, 1930a, p. 10.
Rhinanthus crista-galli, R. major, R. minor, Ribes nigrum, R. rubrum.
Amphorophora ribiella Davis. Gillette, 1934a, p. 140; Hottes, 1931b, p. 399.
Ribes longiflorum, R. odoratum.
Amphorophora sonchi Oestlund. Gillette, 1934a, p. 142.
Ribes longiflorum.
Anuraphis iteae Tissot. Tissot, 1933a, p. 54.
Itea virginica.
Aphis abbreviata Patch. Patch, 1924a, p. 37.
Philadelphus coronarius.
Aphis astilbes Matsumura. Matsumura, 1917a, p. 356.
Astilbe chinensis.
Aphis cornifoliae Fitch. Gillette, 1910a, p. 407.
Ribes aurem.
Aphis fabae Scopoli. Franssen, 1927a, p. 260; Roepke, 1928a, p. 7; Werder, 1931a, p. 81.

Deutzia crenata, Philadelphus coronarius, P. multiflorus, Ribes aureum, Saxifraga umbrosa.

Aphis gossypii Glover. Hottes, 1931b, p. 399; Patch, 1925b, p. 189; Pergande, 1895a, p. 314.

Hydrangea, Philadelphus coronarius, Saxifraga splendens.

Aphis grossulariae Kaltenbach. Bayer, 1914a, p. 143, 144; van de Goot, 1915a, p. 201; Nevsky, 1929b, p. 400; Theobald, 1927a, p. 170; Zirnits, 1930a, p. 9.

Ribes alpinum, R. aureum, R. divaricatum, R. grossularia, R. nigrum, R. rubrum, R. sanguineum.

Aphis laburni Kaltenbach. Theobald, 1927a, p. 124.

Deutzia scabra.

Aphis medicaginis Koch. Essig, 1918a, p. 39.

Deutzia scabra.

Aphis neomexicana Cockerell. Gillette, 1932b, p. 423; Quaintance, 1920a, p. 33.

Ribes longiflorum.

Aphis nerii Kaltenbach. Passerini, 1863a, p. 249.

Hydrangea hortensis.

Aphis philadelphi Börner. Börner, 1923a; Roepke, 1928a, p. 22.

Philadelphus.

Aphis ribiensis Gillette and Palmer. Gillette, 1929a, p. 20.

Ribes longiflorum.

Aphis ribis Sanborn. Quaintance, 1920a, p. 33; Sanborn, 1904a, p. 46.

Ribes rubrum, Ribes.

Aphis rumicis Linnaeus. Van der Goot, 1915a, p. 224; Horsfall, 1925a, p. 24; Hottes, 1931b, p. 396.

Deutzia crenata, Hydrangea paniculata, Philadelphus coronarius, Ribes aureum.

Aphis sanborni Patch. Hottes, 1931b, p. 399; Patch, 1914b, p. 52, 1927a, p. 6; Quaintance, 1920a, p. 33.

Ribes grossularia, R. nigrum.

Aphis spiraecola Patch. Hottes, 1931b, p. 222; Patch, 1923a, p. 50, 1929a, p. 699.

Hydrangea, Philadelphus coronarius, P. grandiflorus, Ribes.

Aphis utsigicola Monzen. Monzen, 1929a, p. 54.

Deutzia scabra.

Aphis varians Patch. Gillette, 1932b, p. 452; Patch, 1914b, p. 50, 1927a, p. 1; Quaintance, 1920a, p. 32.

Ribes.

? Aphis viburni Schrank. Haviland, 1919a, p. 267; Theobald, 1912a, p. 100.

Ribes.

Aphis viburni Scopoli. Börner, 1923a.

Philadelphus.

Aphis wilsoni Laing. Theobald, 1927a, p. 399.

Saxifraga.

Capitophorus dispar Patch. Haviland, 1919b, p. 90; Patch, 1914b, p. 56; Quaintance, 1920a, p. 30; Theobald, 1926a, p. 235.
Ribes.

Capitophorus galeopsidis Kaltenbach. Zirnits, 1930a, p. 13.
Ribes alpinum, R. nigrum, R. rubrum.

Capitophorus ribis Linnaeus. Gillette, 1934a, p. 156; van der Goot, 1915a, p. 149, 150; Haviland, 1919b; Hottes, 1931b, p. 399; Nevsky, 1929b, p. 400; Patch, 1914b, p. 55; Theobald, 1926a, p. 231; Zirnits, 1930a, p. 13.
Deutzia crenata, Ribes alpinum, R. grossularia, R. longiflorum, R. nigrum, R. odoratum, R. rubrum.

Capitophorus whitei Theobald. Haviland, 1919b, p. 90; Theobald, 1926a, p. 235.
Ribes.

Catamergus cynosbati Oestlund. Gillette, 1934a, p. 163; Oestlund, 1922a, p. 142.
Ribes cynosbati, R. grossularia, R. longiflorum, R. sanguineum, R. saxosum.

Kakimia cerei Gillette and Palmer. Gillette, 1934a, p. 162.
Ribes cereum.

Kakimia houghtonensis Troop. Gillette, 1934a, p. 164; Knowlton, 1929b, p. 10; Quaintance, 1920a, p. 34.
Ribes grossularia.

Kakimia ribe-utahensis Knowlton. Knowlton, 1935b, p. 281.
Ribes nigrum.

Kakimia thomasi Hottes and Frison. Gillette, 1934a, p. 160.
Ribes.

Macrosiphum bisensoriatum Macdougall. Macdougall, 1926b.
Ribes lacustre.

Macrosiphum constrictum Patch. Patch, 1923c, p. 144.
Saxifraga.

Macrosiphum gei Koch. Hottes, 1931b, p. 399.
Saxifraga splendens.

Macrosiphum heucherae Thomas. Davidson, 1915a, p. 428; Glendenning, 1929b, p. 56.
Heuchera hartwegii, H. hispida, H. micrantha.

Macrosiphum kaltenbachii Schouteden. Glendenning, 1925a, p. 37.
Ribes lacustre.

Macrosiphum solanifolii Ashmead. Gillette, 1934a, p. 196.
Ribes.

Myzus circumflexus Buckton. McDaniel, 1931a, p. 55.
Hydrangea.

Myzus lactucae Schrank. Patch, 1914b, p. 57; Theobald, 1926a, p. 305.
Ribes.

Myzus montanus Takahashi. Takahashi, 1925a, p. 18.
Astilbe longicarpa.

Myzus persicae Sulzer. Essig, 1917a, p. 332; Hottes, 1931b, p. 396, 399.
Escallonia pulverulenta, Philadelphus coronarius, Ribes odoratum, Saxifraga splendens.
Myzus pseudosolani Theobald. Patch, 1928a, p. 55.
Philadelphus coronarius.
Myzus ribifolii Davidson. Swain, 1919a, p. 76.
Ribes glutinosum.
Myzus suguri Shinji. Shinji, 1927a, p. 57.
Ribes.
Nasonovia ribicola Kaltenbach. Judenko, 1930a, p. 137; Zirnits, 1930a, p. 13.
Ribes alpinum, R. grossularia, R. rubrum.
Rhopalosiphoninus ribesina van der Goot. Van der Goot, 1915a, p. 146; Theobald, 1929a, p. 330.
Ribes nigrum, R. rubrum.
Rhopalosiphum hydrangeae Matsumura. Matsumura, 1918a, p. 9.
Hydrangea paniculata.
Rhopalosiphum oleraceae van der Goot. Mordvilko, 1935a, p. 308.
Ribes rubrum.

APHIDINAE (CALLIPTERINI):
Periphyllus testudinatus Thornton. Theobald, 1929a, p. 40.
Ribes rubrum.

ERIOSOMATINAE:
Eriosoma ulmi Linnaeus. Theobald, 1929a, p. 288.
Ribes grossulariae, R. nigrum, R. rubrum.
Schizoneura soror Börner and Blunck. Börner, 1914b, p. 2.
Ribes.

HAMAMELIDACEAE

WITCH-HAZEL FAMILY

Aphis gossypii Glover. Takahashi, 1923a, p. 97.
Liquidambar formosana.
Astegopteryx distychii Pergande. Baker, 1920a, p. 84; Essig, 1918a, p. 109; Takahashi, 1924a, p. 117.
Distylium racemosum.
Astegopteryx distyfoliae Takahashi. Takahashi, 1923a, p. 148.
Distylium racemosum.
Astegopteryx nekoashi Sasaki. Matsumura, 1917a, p. 53.
Styrax japonicus.
Astegopteryx styraci Matsumura. Matsumura, 1917a, p. 54.
Styrax obassia.
Dilachnus liquidambarus Takahashi. Takahashi, 1925a, p. 43, 1931a, p. 20.
Liquidambar formosana.
Greenidea distylii van der Goot. Van der Goot, 1916a, p. 296.
Distylium stellare.

Hamamelistes spinosus Shimer. Lutz, 1928a, p. 3; Pergande, 1901a, p. 25.
Hamamelis virginiana.
Hormaphis hamamelidis Fitch. Mordvilko, 1924a, p. 143; Morgan, 1910a, p. 144; Pergande, 1901a, p. 7.
Hamamelis virginiana.
Mansakia gallifoliae Monzen. Monzen, 1929a, p. 14.
Hamamelis japonica.
Mansakia kagamii Monzen. Monzen, 1929a, p. 12.
Hamamelis japonica.
Mansakia miyabei Matsumura. Matsumura, 1917a, p. 61.
Hamamelis japonica.
Schizoneuraphis distylii van der Goot. Van der Goot, 1916a, p. 249.
Distylium stellare.
Schizoneuraphis foliorum van der Goot. Van der Goot, 1916a, p. 252.
Distylium stellare.
Schizoneuraphis gallarum van der Goot. Van der Goot, 1916a, p. 256.
Distylium stellare.
Stomaphis liquidambarus Takahashi. Takahashi, 1925a, p. 45.
Liquidambar formosana.
Toxoptera aurantii Boyer. Van der Goot, 1916a, p. 295.
Distylium stellare.

PLATANACEAE

PLANE TREE FAMILY

Longistigma caryae Harris. Wilson, 1923a, p. 257.
Platanus occidentalis.
Myzocallis platani Kaltenbach. Kaltenbach, 1843a, p. 152; Opmanis, 1928a.
Platanus occidentalis.

PITTOSPORACEAE

PITTOSPORUM FAMILY

Aphis gossypii Glover. Goff, 1932a, p. 10.
Pittosporum tobira.
Aphis leguminosae Theobald. Hall, 1926a, p. 21.
Pittosporum.
Aphis malvoides van der Goot. Van der Goot, 1916a, p. 295.
Pittosporum ferrugineum.
Aphis odinae van der Goot. Takahashi, 1931a, p. 49.
Pittosporum tobira.
Aphis pomi DeGeer. Essig, 1917a, p. 341.
Pittosporum eugenioides.
Aphis somei Essig and Kuwana. Takahashi, 1923a, p. 110.
Pittosporum tobira.
Aphis spiraecola Patch. Miller, 1928a, p. 50.
Pittosporum.

Macrosiphum solanifolii Ashmead. Essig, 1917a, p. 329.
Pittosporum tobira.
Myzus persicae Sulzer. Essig, 1917a, p. 331, 332.
Pittosporum eugenioides, P. tobira, P. undulatum.
Toxoptera aurantii Boyer. Takahashi, 1931a, p. 50.
Pittosporum tobira.

ROSACEAE
ROSE FAMILY

APHIDINAE (APHIDINI):
Abura momocola Matsumura. Matsumura, 1917b, p. 408.
Prunus persica.
Acanthaphis rubi Matsumura. Matsumura, 1918a, p. 16.
Rubus.
Acyrthosiphon catharinae Nevsky. Nevsky, 1928a, p. 185.
Rosa.
Acyrthosiphon ignotum Mordvilko. Mordvilko, 1914a, p. 147.
Spiraea.
Acyrthosiphon soldatovi Mordvilko. Mordvilko, 1914a, p. 168.
Spiraea.
Adactynus wasintae Hottes. Hottes, 1933a, p. 19.
Dasiphora fruticosa.
Amphorophora amurensis Mordvilko. Mason, 1925a, p. 10; Mordvilko, 1919a, p. 267.
Rubus caesius.
Amphorophora corylina Davidson. Mason, 1925a, p. 16.
Physocarpus capitatus.
Amphorophora crataegi Tissot. Tissot, 1933b, p. 45.
Crataegus uniflora.
Amphorophora davidsoni Mason. Mason, 1925a, p. 26.
Rubus.
Amphorophora fragariella Theobald. Theobald, 1926a, p. 196.
Fragaria.
Amphorophora maxima Mason. Glendenning, 1929b, p. 56; Mason, 1925a, p. 35.
Rubus nutkanus, R. parviflorus.
Amphorophora nervata Gillette. Essig, 1917a, p. 330; Jones, 1929a, p. 45; Mason, 1925a, p. 46; Swain, 1919a, p. 167.
Heteromeles, Photinia arbutifolia, Rosa.
Amphorophora reticulata Mason. Mason, 1925a, p. 51.
Rubus.
Amphorophora rossi Hottes and Frison. Hottes, 1931b, p. 278.
Geum canadense.
Amphorophora rubi Kaltenbach. Bayer, 1914a, p. 133; Essig, 1917a, p. 329; Gillette, 1911c, p. 381, 1934a, p. 141; Judenko, 1930a, p. 138; Kaltenbach, 1843a, p. 24; Mason, 1925a, p. 57; Nevsky, 1929b, p. 401; Theobald, 1926a, p. 189, 196.

Rubus caesius, R. corylifolius, R. discolor, R. fissus, R. fruticosus, R. idaeus, R. occidentalis, R. saxatilis, R. strigosus, R. vitifolius.

Amphorophora rubicola Oestlund. Essig, 1917a, p. 328; Mason, 1925a, p. 59; Oestlund, 1887a, p. 78.

Rubus parviflorus, R. strigosus.

Amphorophora sensoriata Mason. Mason, 1925a, p. 64.

Rubus.

Amphorophora spiraecola Patch. Mason, 1925a, p. 66; Patch, 1914a, p. 271.

Spiraea salicifolia, S. van houttei.

Amphorophora tigwatensa Hottes. Gillette, 1934a, p. 143.

Rubus.

Amphorophora zhuravlevi Mordvilko. Mason, 1925a, p. 71; Mordvilko, 1919a, p. 265.

Rubus caesius.

Anuraphis amygdali Buckton. Van der Goot, 1915a, p. 253; Theobald, 1927a, p. 224.

Persica vulgaris, Prunus amygdalina, P. spinosa.

Anuraphis aucupariae Buckton. Theobald, 1927a, p. 308.

Pyrus torminalis, Sorbus aucuparia.

Anuraphis bakeri Cowen. Cutright, 1925a, p. 191; Gillette, 1908a, p. 28, 1918b, p. 333; Jones, 1929a, p. 35; Patch, 1915d, p. 433.

Crataegus rivularis, Prunus, Pyrus baccata, P. communis, P. cydonia, P. malus.

Anuraphis cardui Linnaeus. Baker, 1917f; Börner, 1921a; Dobrowljansky, 1913a, p. 23, 45; Mordvilko, 1935a, p. 302; Patch, 1914a, p. 263; Quaintance, 1920a, p. 17; Zirnits, 1927a, p. 246.

Prunus domestica, P. spinosa.

Anuraphis cerasicola Mordvilko. Nevsky, 1929b, p. 272.

Prunus cerasus.

Anuraphis crataegi Kaltenbach. Dobrowljansky, 1913a, p. 42; Ferrari, 1872a, p. 62; Judenko, 1930a, p. 136; Passerini, 1863a, p. 157; Theobald, 1927a, p. 304.

Crataegus azarolus, C. monogyna, C. oxyacantha, Pyrus communis, P. malus.

Anuraphis crataegifoliae Fitch. Baker, 1919c, p. 185; Cutright, 1925a, p. 191; Davidson, 1910a, p. 377; Patch, 1915d, p. 431; Quaintance, 1920a, p. 14; Smith, 1923a, p. 10; Wellhouse, 1922a, p. 1064, 1094.

Crataegus coccinea, C. oxyacantha, C. punctata, Cydonia japonica, C. vulgaris, Prunus, Pyrus communis, P. malus.

Anuraphis helichrysi Kaltenbach. Gillette, 1918b, p. 329, 1932b, p. 405; van der Goot, 1915a, p. 257; Quaintance, 1920a, p. 20; Theobald, 1927a, p. 224, 250, 403.

Crataegus oxyacantha, Prunus domestica, P. institia, P. padus, P. persica, P. spinosa, Pyrus malus.

Anuraphis insititiae Koch. Theobald, 1927a, p. 238.

Prunus insititia.

Anuraphis kochi Schouteden. Bayer, 1914a, p. 140; Schouteden, 1906a, p. 221; Theobald, 1927a, p. 228.
Cydonia vulgaris, Pyrus malus, P. pyraster.

Anuraphis lentiginis Buckton. Theobald, 1927a, p. 224.
Pyrus pyri.

Anuraphis longicauda Baker. Baker, 1920b, p. 93.
Plum.

Anuraphis masseei Theobald. Theobald, 1927a, p. 406.
Prunus tomentosus.

Anuraphis minima Tissot. Tissot, 1933a, p. 57.
Prunus americana, P. angustifolia, P. umbellata.

Anuraphis mume Hori. Hori, 1927a, p. 198, 1929b, p. 53, 54, 146.
Prunus communis, P. mume, P. persica.

Anuraphis oxiana Nevsky. Nevsky, 1929a, p. 219.
Prunus domestica.

Anuraphis persicae Boyer. Nevsky, 1929b, p. 283.
Persica vulgaris, Prunus cerasifera, P. domestica, P. triloba.

Anuraphis petherbridgei Theobald. Theobald, 1929a, p. 348.
Pyrus malus.

Anuraphis piricola Okamoto and Takahashi. Hori, 1929b, p. 16; Matsumura, 1918a, p. 19; Okamoto, 1927a, p. 139.
Pyrus communis, P. serotina, P. sinensis.

Anuraphis pruniavium Nevsky. Nevsky, 1929a, p. 220.
Prunus avium.

Anuraphis prunicola Kaltenbach. Del Guercio, 1911a, p. 297; Nevsky, 1929b, p. 285; Pinto da Fonseca, 1934a; Quaintance, 1920a, p. 28.
Eriobotrya japonica. Prunus avium, P. insititia, P. persica.

Anuraphis prunifex Theobald. Nevsky, 1929b, p. 282; Theobald, 1927a, p. 264.
Prunus domestica, P. spinosus.

Anuraphis pyriella Theobald. Theobald, 1929a, p. 347.
Pyrus communis.

Anuraphis roseus Baker. Baker, 1921a, p. 95; Quaintance, 1920a, p. 7; Theobald, 1927a, p. 298.
Crataegus oxyacantha, Cydonia vulgaris, Pyrus communis, P. malus, Sorbus aucuparia, S. domestica, S. torminalis.

Anuraphis schwartzi Börner. Börner, 1931a; Cottier, 1935d.
Prunus persica.

Anuraphis sorbi Kaltenbach. Bayer, 1914a, p. 141; Matheson, 1919a, p. 718; Schouteden, 1906a, p. 228; Theobald, 1927a, p. 293; Wellhouse, 1922a, p. 1099.
Crataegus, Pyrus malus, Sorbus aucuparia, S. avium, S. torminalis.

Anuraphis ulmariae Schrank. Theobald, 1927a, p. 261.
Spiraea salicifolia, S. ulmaria.

Aphis abbreviata Patch. Patch, 1924a, p. 37.
Fragaria virginiana.

Aphis alamedensis Clarke. Swain, 1919a, p. 93.
Prunus domestica.

Aphis amygdali Blanchard. Thomas, 1879a, p. 102; Wilson, 1918a, p. 34.
Prunus amygdalus.

Aphis amygdalinus Schouteden. Schouteden, 1905b, p. 163, 1906b, p. 32; Wilson, 1918a, p. 34.
?Prunus amygdalus.

Aphis argentinae-radicis Gillette and Palmer. Gillette, 1932b, p. 380.
Argentina anserina.

Aphis assidua Walker. Walker, 1849b, p. 40; Wilson, 1918a, p. 38.
Pyrus germanica.

Aphis avenae Fabricius. Davis, 1914c, p. 6, 7; Hori, 1926a, p. 5, 6; Lathrop, 1921a, p. 436; Matheson, 1919a, p. 750; Patch, 1914a, p. 256; Pergande, 1904a, p. 8; Takahashi, 1923a, p. 35; Theobald, 1927a, p. 82, 84, 165.
Crataegus coccinea, C. cuneata, C. oxyacantha, Cydonia oblonga, C. vulgaris, Malus halliana, M. prunifolia, M. sieboldi, M. sylvestris, Mespilus germanica, M. japonica, Opulaster opulifolius, Prunus cerasus, P. domestica, P. mume, P. padus, P. persica, P. serotina, P. serrulata, P. virginiana, Pyrus communis, P. malus, P. torminalis, Sorbus americana, S. aucuparia.

Aphis bellula Walker. Walker, 1849b, p. 36.
Prunus spinosa.

Aphis brevis Sanderson. Patch, 1915d, p. 431.
Crataegus, Cydonia japonica.

Aphis cerasifoliae Fitch. Gillette, 1910a, p. 405; Jones, 1929a, p. 46; Patch, 1914a, p. 260, 262; Quaintance, 1920a, p. 22; Thomas, 1879a, p. 93.
Prunus demissa, P. melanocarpa, P. nigra, P. virginiana.

Aphis cerasina Walker. Dobrowljansky, 1913a, p. 4; Kaltenbach, 1874a, p. 177; Walker, 1850a, p. 43.
Cerasus avium, Prunus avium, P. spinosa.

Aphis cercocarpi Gillette and Palmer. Gillette, 1929a, p. 17.
Cercocarpus parvifolius.

Aphis chetansapa Hottes and Frison. Hottes, 1931b, p. 187.
Prunus, Pyrus.

Aphis chloris Koch. Passerini, 1863a, p. 246.
Fragaria vesca.

Aphis consona Walker. Walker, 1849b, p. 36.
Prunus spinosa.

Aphis conviva Walker. Walker, 1849b, p. 36.
Prunus spinosa.

Aphis crataegella Theobald. Theobald, 1927a, p. 207.
Crataegus oxyacantha.

Aphis crataegus-coccinea Rafinesque. Wellhouse, 1922a, p. 1094.
Crataegus coccinea.

Aphis cydoniae Boisduval. Boisduval, 1867a, p. 254.
Cydonia vulgaris.

Aphis dallmani Theobald. Theobald, 1927a, p. 193.
Agrimonia eupatoria.

Aphis deposita Walker. Walker, 1848c, p. 2250.
Prunus domestica.

Aphis devecta Walker. Walker, 1849b, p. 38.
Pyrus malus.

Aphis diplepha Rafinesque. Hottes, 1931a, p. 64; Hunter, 1901a, p. 96; Monell, 1879a, p. 22.
Rosa.

Aphis diversa Walker. Wilson, 1918a, p. 70.
Prunus domestica.

Aphis edentula Buckton. Theobald, 1927a, p. 213.
Crataegus oxyacantha.

Aphis eriobotryae Schouteden. Schouteden, 1905b, p. 164.
Eriobotrya japonica.

Aphis fabae Scopoli. Franssen, 1927a, p. 260; Roepke, 1928a, p. 7.
Crataegus oxyacantha, Prunus, Pyrus communis, P. malus, Rhodotypus kerriodes.

Aphis feminea Hottes. Hottes, 1931b, p. 193.
Prunus serotina.

Aphis forbesi Weed. Cutright, 1925a, p. 197; Olsen, 1921a, p. 16; Sanderson, 1901a, p. 146.
Fragaria virginiana.

Aphis frangulae Kaltenbach. Koch, 1857a, p. 120.
Prunus mahaleb.

Aphis furcata Patch. Patch, 1914a, p. 259.
Prunus virginiana.

Aphis gossypii Glover. Gillette, 1910a, p. 404; Goff, 1932a, p. 10; van der Goot, 1916a, p. 96; Hall, 1926a, p. 19; Okamoto, 1927a, p. 137; Patch, 1925b, p. 189; Takahashi, 1923a, p. 97, 1924a, p. 120; Theobald, 1927a, p. 144.
Chrysobalanus oblongifolius, Crataegus, Eriobotrya deflax, E. japonica, Fragaria chiloensis, Potentilla silvestris, Pourthiaea villosa, Pyrus communis, P. coronaria, P. japonica, P. malus, P. serotina, Rosa.

Aphis idaei van der Goot. Van der Goot, 1915a, p. 204; Nevsky, 1929b, p. 178, 401; Theobald, 1927a, p. 149, 178.
Rosa, Rubus caesius, R. fruticosus, R. idaeus.

Aphis infuscata Koch. Hori, 1929b, p. 53; Nevsky, 1929b, p. 181; Theobald, 1927a, p. 205.
Prunus armeniaca, P. cerasifera, P. domestica, P. insititia, P. mume, P. padus, P. persica, P. spinosa.

Aphis inserta Walker. Walker, 1849b, p. 39.
Mespilus germanica.

Aphis insita Walker No. 1. Walker, 1849b, p. 39.
Mespilus germanica.

Aphis internata Walker. Walker, 1849b, p. 37.
Prunus domestica.

Aphis japonica Essig and Kuwana. Essig, 1918a, p. 71.
Pyrus malus.

Aphis kogomecola Matsumura. Matsumura, 1917b, p. 357.
Spiraea thunbergii.

Aphis laburni Kaltenbach. Nevsky, 1929b, p. 185; Theobald, 1927a, p. 86, 124.
Poterium officinale, Rosa, Sanguisorba officinalis.

Aphis lanata Salisbury. Hagen, 1863a, p. 103.
Pyrus malus.

Aphis mactata Walker. Walker, 1849b, p. 39.
Mespilus germanica.

Aphis maidi-radicis Forbes. Vickery, 1910a, p. 111.
Fragaria.

Aphis malvoides van der Goot. Van der Goot, 1916a, p. 295.
Pyrus malus.

Aphis medicaginis Koch. Essig, 1918a, p. 72; Gillette, 1932b, p. 417; Quaintance, 1920a, p. 14.
Poterium officinale, Pyrus communis, P. malus.

Aphis mordwilkiana Dobrowljansky. Dobrowljansky, 1913a, p. 5.
Rubus.

Aphis neilliae Oestlund. Glendenning, 1925a, p. 37; Jones, 1929a, p. 41.
Physocarpus opulifolius, P. rameleyi.

Aphis nigra Theobald. Theobald, 1916a, p. 233.
Crataegus, Pyrus malus, P. pyraster.

Aphis nociva Walker. Walker, 1849b, p. 36.
Prunus spinosa.

Aphis nutricata Walker. Walker, 1849b, p. 39.
Mespilus germanica.

Aphis persicae-niger Smith. Blanchard, 1922b, p. 58; Cutright, 1925a, p. 193; Gillette, 1932b, p. 430; Hottes, 1931b, p. 398; Pinto da Fonseca, 1934a; Smith, 1890a, p. 102.
Eriobotrya japonica, Prunus munsoniana, P. persica.

Aphis persicarum Boisduval. Boisduval, 1867a, p. 252.
Prunus persica.

Aphis pirifoliae Shinji. Okamoto, 1927a, p. 137.
Malus, Pyrus communis.

Aphis pomi DeGeer. Essig, 1917a, p. 341; van der Goot, 1915a, p. 213; Hori, 1929b, p. 118; Hottes, 1931b, p. 212; Matheson, 1919a, p. 718; Matsumura, 1917b, p. 357; Nevsky, 1929b, p. 400; Patch, 1929a, p. 698; Theobald, 1916a, p. 176, 1927a, p. 137; Werder, 1931a, p. 81; Wilson, 1918a, p. 239.
Chaenomeles maulei, Cotoneaster franchetii, C. microphylla, C. vulgaris, Crataegus monogyna, C. oxyacantha, Cydonia vulgaris, Eriobotrya japonica, Malus pumila, Mespilus germanica, M. japonica, Prunus domestica, Pyrus americana, P. aucuparia, P. aria, P. communis, P. coronaria, P. cydonia, P. domestica, P. germanica, P. japonica, P. malus, P. pyraster, P. serotina, P. sinensis, P. torminalis, P. virginiana, Spiraea vanhouttei.

Aphis pomonella Theobald. Theobald, 1916a, p. 262, 1918b, p. 286.
Pyrus malus.

Aphis potentillae Nevsky. Nevsky, 1929b, p. 199.
Potentilla reptans.

Aphis pruniella Theobald. Theobald, 1918b, p. 285.
Prunus.

Aphis pyrastri Boisduval. Theobald, 1929a, p. 342.
Pyrus communis.

Aphis pyri Goureau. Passerini, 1863a, p. 333.
Pyrus communis.

Aphis pyri Hartig. Wilson, 1918a, p. 140.
Pyrus malus.

Aphis rhamni Boyer. Patch, 1924a, p. 37; Theobald, 1927a, p. 202.
Fragaria virginiana.

Aphis rhodryas Rafinesque. Hottes, 1931a, p. 64; Hunter, 1901a, p. 103.
Rosa.

Aphis rosa-suaveolens Rafinesque. Wilson, 1918a, p. 148.
Rosa rubiginosa.

Aphis rubicola Oestlund. Knowlton, 1935d, p. 192; Oestlund, 1887a, p. 60; Winter, 1929a, p. 193.
Rubus idaeus, R. strigosus.

Aphis rubiphila Patch. Patch, 1914a, p. 269; Rankin, 1931a, p. 13.
Rubus (raspberry).

Aphis rumicis Linnaeus. Van der Goot, 1915a, p. 224; Theobald, 1927a, p. 85.
Crataegus oxyacantha, Pyrus communis, P. malus, Spiraea chamaedryfolia.

Aphis sanguisorbiae Schrank. Theobald, 1927a, p. 187; Werder, 1931a, p. 81.
Sanguisorba minor, S. officinalis.

Aphis sensoriata Gillette and Bragg. Gillette, 1932b, p. 444.
Amelanchier spicata(?)

Aphis similis Walker. Walker, 1848c, p. 2249.
Prunus domestica.

Aphis somei Essig and Kuwana. Essig, 1918a, p. 76.
Pyrus.

Aphis spinarum Hartig. Wilson, 1918a, p. 160.
Prunus spinosa.

Aphis spinosula Essig and Kuwana. Essig, 1918a, p. 78.
Cherry.

Aphis spiraeae Oestlund. Oestlund, 1887a, p. 68.
Spiraea salicifolia.

Aphis spiraecola Patch. Berger, 1924a, p. 93; Beyer, 1924a, p. 10; Miller, 1929a, p. 435; Patch, 1923a, p. 50, 1929a, p. 699; Watson, 1925a, p. 84; Yothers, 1924a, p. 6.
Amelanchier canadensis, Eriobotrya japonica, Photinia japonica, Prunus caroliniana, Pyrus angustifolia, P. communis, P. delutaefolia, P. malus, P. sinensis, Rosa, Spiraea aruncus, S. cantoniensis, S. prunifolia, S. salicifolia, S. vanhouttei.

Aphis spiraeella Schouteden. Essig, 1911b, p. 463; Jones, 1929a, p. 38, 41; Schouteden, 1906a, p. 228.
Prunus, Spiraea salicifolia, S. ulmaria, S. vanhouttei.

Aphis spiraephila Patch. Hottes, 1931b, p. 400; Patch, 1914a, p. 270.
Spiraea latifolia, S. salicifolia.

Aphis tormentillae Passerini. Del Guercio, 1911a, p. 297; Lambers, 1931d, p. 4; Nevsky, 1929b, p. 199; Theobald, 1927a, p. 190.
Potentilla argentea, P. palustris, P. repens, P. tormentilla, Tormentilla erecta.

Aphis transmutata Walker. Walker, 1849b, p. 37.
Prunus spinosa.

Aphis transposita Walker. Walker, 1849b, p. 37.
Prunus domestica.

Aphis tuberculata Patch. Patch, 1914a, p. 261; Quaintance, 1920a, p. 23.
Prunus serotina.

Aphis urticae Fabricius. Ferrari, 1872a, p. 65; Passerini, 1874a, p. 138; Schouteden, 1906a, p. 228.
Rubus fruticosus, R. idaeus.

Aphis urticaria Kaltenbach. Theobald, 1927a, p. 178.
? Rubus fruticosus, R. idaeus.

Aphis uwamizusakurae Monzen. Monzen, 1929a, p. 56.
Prunus grayana.

Aphis watsoni Theobald. Theobald, 1929a, p. 343.
Pear.

Asiphonaphis pruni Wilson and Davis. Gillette, 1932b, p. 456; Glendenning, 1929b, p. 56; Hottes, 1931b, p. 398; Wilson, 1919c, p. 39.
Prunus melanocarpa, P. serotina, P. virginiana.

Aulacorthum pseudorosaefolium Blanchard. Blanchard, 1922a, p. 201.
Rosa.

Aulacorthum viride van der Goot. Van der Goot, 1916a, p. 31, 293.
Rosa.

Capitophorus chaetosiphon Nevsky. Nevsky, 1929b, p. 139.
Rosa.

Capitophorus corambus Hottes and Frison. Hottes, 1931b, p. 282.
Rosa.

Capitophorus fragariae Theobald. Glendenning, 1929b, p. 56; Theobald, 1926a, p. 246.
Fragaria, Rosa.

Capitophorus minor Forbes. Davis, 1911a, p. 329; Forbes, 1884b, p. 101; Gillette, 1934a, p. 152.
Fragaria.

Capitophorus neorosarum Theobald. Hall, 1926a, p. 37.
Rosa.

Capitophorus potentillae Walker. Knowlton, 1935d, p. 194; Theobald, 1926a, p. 256; Thomas, 1935a.
Potentilla anserina, P. sterilis, Rosa.

Capitophorus rosarum Kaltenbach. Blanchard, 1925a, p. 18; van der Goot, 1915a, p. 188; Jones, 1929a, p. 37; Kaltenbach, 1843a, p. 101; Nevsky, 1929b, p. 150; Theobald, 1926a, p. 258.
Rosa canina, R. centifolia, R. gallica, R. setigera.

Capitophorus rosarum Walker. Knowlton, 1927d, p. 238; Oestlund, 1887a, p. 73.
Potentilla, Rosa.

Capitophorus tetrarhodus Walker. Van der Goot, 1915a, p. 131; Judenko, 1930a, p. 138; Theobald, 1926a, p. 242.
Rosa canina, R. rubiginosa.

Cerosipha roepkei Lambers. Lambers, 1931d, p. 4.
Potentilla repens.

Cerosipha rubifolii Thomas. Gillette, 1932b, p. 470; Thomas, 1879a, p. 121; Winter, 1929a, p. 193.
Rubus strigosus.

Cerosipha rubicolens Hori. Hori, 1929b, p. 55, 56.
Rubus.

Dentatus affinis Mordvilko. Nevsky, 1929b, p. 400.
Pyrus malus.

Dentatus crataegi Koch. Koch, 1857a, p. 64; Zirnits, 1927a, p. 209.
Crataegus oxyacantha.

Dentatus dubius Mordvilko. Nevsky, 1929b, p. 400.
Pyrus communis.

Dentatus incertus Mordvilko. Nevsky, 1929b, p. 400.
Pyrus malus.

Dentatus longipilosus Mordvilko. Nevsky, 1929b, p. 297.
Pyrus malus.

Dentatus malicola Mordvilko. Nevsky, 1929b, p. 400.
Pyrus malus.

Dentatus malus Nevsky. Nevsky, 1929b, p. 299.
Pyrus communis.

Dentatus pilosus Mordvilko. Nevsky, 1929b, p. 301, 400.
Prunus prostrata.

Dentatus plumbicolor Nevsky. Nevsky, 1929b, p. 400.
Pyrus malus.

Dentatus reaumuri Mordvilko. Nevsky, 1929b, p. 306.
Pyrus communis.

Dorsalis ruborum Börner. Börner, 1932b.
Rubus.

Hyalopterus arundinis Fabricius. Hori, 1929b, p. 16; Nevsky, 1929b, p. 399, 400; Olsen, 1921a, p. 16; Quaintance, 1920a, p. 19; Takahashi, 1928a; Theobald, 1927a, p. 22.
Prunus americanus, P. armeniaca, P. avium, P. communis, P. domestica, P. insititia, P. mume, P. persica, P. serotina, P. spinosa.

Hyalopterus pruni Geoffroy. Hottes, 1931b, p. 232.
Prunus domestica.

Hysteroneura setariae Thomas. Cutright, 1925a, p. 198; Hottes, 1931b, p. 398; Quaintance, 1920a, p. 16.

Prunus avium, P. domestica, P. nigra, P. persica, P. triloba, P. virginiana.

Illinoia macrosiphum Wilson. Gillette, 1934a, p. 188; Wilson, 1912a, p. 155.
Amelanchier alnifolia.

Illinoia osmaroniae Wilson. Wilson, 1912a, p. 153.
Osmaronia cerasiformis.

Longicaudus dilineatus Buckton. Theobald, 1927a, p. 39.
Rosa.

Longicaudus trirhodus Walker. Van der Goot, 1915a, p. 273; Macchiati, 1883a, p. 237; Theobald, 1927a, p. 37.
Rosa canina, R. sempervirens, Rubus dalmaticus.

Macrosiphum agrimoniella Cockerell. Cockerell, 1903b, p. 168.
Agrimonia eupatoria.

Macrosiphum amelanchiericolens Patch. Patch, 1918b, p. 211.
Amelanchier spicata.

Macrosiphum crataegi Monell. Davis, 1911a, p. 327; Glendenning, 1925a, p. 37; Nevsky, 1929b, p. 65; Patch, 1914a, p. 255.
Crataegus.

Macrosiphum cyparissiae Buckton. Theobald, 1926a, p. 82.
Rubus fruticosus.

Macrosiphum cholodkovskyi Mordvilko. Mordvilko, 1919a, p. 459.
Filipendula ulmaria.

Macrosiphum davisi Del Guercio. Mason, 1921a, p. 25.
Rosa.

Macrosiphum dirhodum Walker. Mordvilko, 1919a, p. 273; Nevsky, 1929b, p. 83; Theobald, 1926a, p. 137; Walker, 1849a, p. 43.
Rosa canina, R. centifolia, R. cinnamomea, R. eglanteria.

Macrosiphum floridae Ashmead. Ashmead, 1882a, p. 88.
Rosa.

Macrosiphum fragariae Koch. Koch, 1857a, p. 174; Schouteden, 1906a, p. 238.
Fragaria grandiflora, F. vesca.

Macrosiphum fragariae Walker. Theobald, 1926a, p. 91.
Fragaria.

Macrosiphum funestum Macchiati. Mordvilko, 1919a, p. 506.
Rubus glandulosus.

Macrosiphum gei Koch. Theobald, 1926a, p. 111.
Geum urbanum, Rosa, Spiraea filipendula, S. ulmaria.

Macrosiphum harpagorubus Knowlton. Knowlton, 1935b, p. 282.
Rubus.

Macrosiphum hieracii Kaltenbach. Zirnits, 1927a, p. 205.
Rosa.

Macrosiphum ibarae Matsumura. Matsumura, 1917b, p. 360.
Rosa multiflora.

Macrosiphum kiowanepus Hottes. Gillette, 1934a, p. 185.
Sieveria ciliata.

Macrosiphum martini Cockerell. Cockerell, 1903b, p. 171.
Potentilla.

Macrosiphum nigromaculosum Macdougall. Macdougall, 1926b.
Rosa nutkana.

Macrosiphum pallida Oestlund. Oestlund, 1887a, p. 84.
Rosa.

Macrosiphum pelargonii Kaltenbach. Knowlton, 1928d, p. 82.
Pyrus malus.

Macrosiphum poae Macchiati. Wilson, 1918a, p. 320.
Rubus idaeus.

Macrosiphum portiscinskyi Mordvilko. Mordvilko, 1909b.
Spiraea.

Macrosiphum potentillae Oestlund. Oestlund, 1887a, p. 83.
Potentilla anserina.

Macrosiphum potentillicaulis Miller. Miller, 1933c, p. 252.
Potentilla bakeri.

Macrosiphum pseudodirhodum Patch. Glendenning, 1929b, p. 56; Griswold, 1927a, p. 6; Hottes, 1931b, p. 318; Patch, 1919b, p. 213.
Aruncus sylvester, Geum canadense, Potentilla, Rosa.

Macrosiphum pseudorosae Patch. Hottes, 1931b, p. 318; Knowlton, 1928d, p. 81; Mordvilko, 1924a, p. 143; Patch, 1919a, p. 206.
Geum canadense, Rosa.

Macrosiphum pyrifoliae Macdougall. Macdougall, 1926b.
Pyrus.

Macrosiphum rogersii Theobald. Theobald, 1926a, p. 140.
Fragaria.

Macrosiphum rosae Linnaeus. Blanchard, 1922a, p. 190; Essig, 1917a, p. 329, 1918a, p. 42; van der Goot, 1916a, p. 18; Kaltenbach, 1843a, p. 4; Mordvilko, 1919a, p. 369–372, 1924a, p. 143; Theobald, 1926a, p. 68.
Eriobotrya japonica, Pyrus malus, Rosa banksiae, R. californica, R. canina, R. centifolia, R. cinnamomea, R. eglanteria, R. lutea, R. multiflora, R. rubiginosa, R. spinosissima.

Macrosiphum rosaecola Passerini. Passerini, 1863a, p. 336; Theobald, 1915a, p. 111.
Rosa gallica.

Macrosiphum rosaefolium Theobald. Hall, 1926a, p. 39.
Rosa.

Macrosiphum rosaeiformis Das. Das, 1918a, p. 273; Mordvilko, 1924a, p. 143.
Rosa.

Macrosiphum rosaeollae Theobald. Theobald, 1915a, p. 111.
Rosa.

Macrosiphum rubiellum Theobald. Theobald, 1926a, p. 80.
Rubus fruticosus, R. idaeus.

Macrosiphum rubifoliae Shinji. Takahashi, 1927a, p. 4.
Rubus.

Macrosiphum rubifolium Theobald. Theobald, 1926a, p. 78.
Rubus fruticosus, R. idaeus.

Macrosiphum rubiformosanum Takahashi. Takahashi, 1927a, p. 4.
Rubus.

Macrosiphum solani Kaltenbach. Del Guercio, 1911a, p. 297.
Cydonia malus.
Macrosiphum solanifolii Ashmead. Patch, 1915b, p. 214, 1921a, p. 328.
Agrimonia gryposepala, Potentilla canadensis, Pyrus malus, Rosa.
Macrosiphum sorbi Matsumura. Matsumura, 1918a, p. 5.
Sorbus japonica.
Macrosiphum sumatrensis Mason. Mason, 1927a, p. 88.
Rosa.
Macrosiphum sumomocola Monzen. Monzen, 1929a, p. 70.
Prunus salicina.
Macrosiphum trifolii Pergande. Pergande, 1904a, p. 22.
Fragaria.
Macrosiphum ulmariae Schrank. Bayer, 1914a, p. 135; Ferrari, 1872a, p. 55; van der Goot, 1915a, p. 104; Passerini, 1863a, p. 341; Zirnits, 1927a, p. 206.
Geum urbanum, Rosa, Rubus caesius, Spiraea salicifolia, S. ulmaria, Ulmaria palustris.
Matsumuraja formosana Takahashi. Takahashi, 1925a, p. 23.
Rubus.
Matsumuraja rubicola Takahashi. Takahashi, 1927a, p. 6.
Rubus.
Matsumuraja rubifoliae Takahashi. Takahashi, 1931a, p. 78.
Rubus.
Myzaphis amygdalina Nevsky. Nevsky, 1929b, p. 152.
Amygdalus communis.
Myzus brevipilosus Baerg. Baerg, 1922a, p. 4.
Fragaria.
Myzus cerasi Fabricius. Ferrari, 1872a, p. 61; Gillette, 1908d, p. 362, 1911c, p. 381; van der Goot, 1915a, p. 169; Hottes, 1931b, p. 325; Macchiati, 1883a, p. 234; Passerini, 1863a, p. 259; Swain, 1919a, p. 73; Theobald, 1926a, p. 297.
Cerasus vulgaris, Photinia serrulata, Prunus avium, P. cerasus, P. domestica, P. emarginata, P. mahaleb, P. persica, P. serotina.
Myzus circumflexus Buckton. Griswold, 1927b, p. 14; Theobald, 1926a, p. 333.
Rosa, Spiraea.
Myzus distinctus Nevsky. Nevsky, 1929b, p. 122.
Rosa.
Myzus eriobotryae Tissot. Tissot, 1935a, p. 49.
Eriobotrya japonica.
Myzus fragaefolii Cockerell. Baerg, 1922a, p. 4; Cockerell, 1901b, p. 101; Hottes, 1931b, p. 283; Olsen, 1921a, p. 16.
Fragaria virginiana, Potentilla monspeliensis, Rosa rugosa.
Myzus higansakurae Monzen. Monzen, 1927a, 1929a.
Prunus serrulata, P. subhirtella.
Myzus mahaleb Koch. Gillette, 1934a, p. 203.
Prunus mahaleb.

Myzus mali Ferrari. Ferrari, 1872b, p. 221.
Pyrus malus.

Myzus malicolens Hori. Hori, 1929b, p. 51, 91.
Malus pumila.

Myzus malisuctus Matsumura. Hori, 1929b, p. 51, 93; Matsumura, 1918a, p. 17; Takahashi, 1927c, p. 390.
Malus pumila, Pyrus formosanus, P. malus.

Myzus mespiliella Theobald. Theobald, 1920b.
Mespilus.

Myzus michaelseni Schouteden. Schouteden, 1904a.
Acaena splendens.

Myzus momonis Matsumura. Matsumura, 1917b, p. 403; Takahashi, 1925a, p. 14.
Prunus persica.

Myzus mumecola Matsumura. Hori, 1929b, p. 53, 54, 99; Matsumura, 1917b, p. 361.
Prunus armeniaca, P. avium, P. mume.

Myzus mushaensis Takahashi. Takahashi, 1931a, p. 67.
Prunus taiwaniana.

Myzus neogei Theobald. Theobald, 1926a, p. 350 (and *Errata*).
Geum urbanum.

Myzus persicae Sulzer. Gillette, 1908a, p. 35, 36, 1934a, p. 205; Griswold, 1927b, p. 15; Hall, 1926a, p. 42; Hori, 1929b, p. 16, 54; Hottes, 1931b, p. 398; Mordvilko, 1935a; Nevsky, 1929b, p. 398, 399, 400; Schouteden, 1906a, p. 233; Theobald, 1926a, p. 322, 323.
Crataegus, Persica vulgaris, Potentilla anserina, P. recta, Prunus americana, P. amygdalus, P. armeniaca, P. avium, P. besseyi, P. cerasus, P. communis, P. domestica, P. melanocarpa, P. mume, P. persica, P. serotina, P. virginiana, Pyrus communis, P. malus, Rosa, Sanguisorba officinalis.

Myzus porosus Sanderson. Hottes, 1931b, p. 342, 399; Patch, 1914a, p. 258; Sanderson, 1901a, p. 205.
Fragaria, Rosa rugosa.

Myzus potentillae Williams. Davis, 1911b, p. 23; Gillette, 1934a, p. 166.
Potentilla.

Myzus pseudosolani Theobald. Patch, 1928a, p. 56.
Crataegus, Fragaria chiloensis, F. virginiana, Geum urbanum, Potentilla canadensis, P. norvegica, Pyrus malus.

Myzus pyrarius Passerini. De Stefani, 1917a, p. 151, 152.
Malus communis, Pyrus communis.

Myzus pyrinus Ferrari. De Stefani, 1917a, p. 152.
Malus communis, Pyrus communis.

Myzus quasipyrinus Theobald. Theobald, 1929a, p. 338.
Pear.

Myzus rarus Monzen. Monzen, 1927a.
Prunus serrulata.

Myzus roseus Macchiati. Wilson, 1918a, p. 148.
Rosa centifolia, R. gallica.

Myzus sakurae Matsumura. Hori, 1929b, p. 54, 107; Matsumura, 1917b, p. 403; Okamoto, 1927a, p. 134; Takahashi, 1923a, p. 81, 1925a, p. 16.
Prunus avium, P. pseudocerasus, P. serrulata, P. taiwaniana, P. yedoensis.

Myzus sanguisorbiella Theobald. Theobald, 1926a, p. 327, 1927a, p. 187.
Sanguisorba officinalis.

Myzus sasakii Matsumura. Matsumura, 1917b, p. 362, 404; Okamoto, 1927a, p. 134.
Prunus donarium, P. pseudocerasus, P. serrulata.

Myzus varians Davidson. Quaintance, 1920a, p. 28; Takahashi, 1925a, p. 17.
Prunus persica.

Neophorodon rubi Takahashi. Takahashi, 1924a, p. 35.
Rubus.

Ovatus mespili van der Goot. Van der Goot, 1915a, p. 138; Theobald, 1926a, p. 364; Zirnits, 1927a, p. 208.
Crataegus oxyacantha, Fragaria vesca, Mespilus germanica.

Pergandeidia siphonella Essig and Kuwana. Okamoto, 1927a, p. 139.
Pyrus serotina.

Phorodon crataegarium Walker. Theobald, 1926a, p. 281.
Crataegus oxyacantha.

Phorodon humuli Schrank. Van der Goot, 1915a, p. 134; Hori, 1929b, p. 16; Knowlton, 1929b, p. 11; Mordvilko, 1928c, p. 580; Passerini, 1863a, p. 260; Swain, 1919a, p. 79; Theobald, 1926a, p. 276.
Prunus communis, P. domestica, P. insititia, P. mahaleb, P. mume, P. pissardi, P. spinosus, Pyrus malus.

Phorodon pruni Ferrari. Ferrari, 1872a, p. 60; Wilson, 1918a, p. 137.
Prunus mahaleb.

Pyraphis streili Börner. Börner, 1931a.
Pyrus communis.

Rhopalosiphoninus lupulinus Theobald. Theobald, 1926a, p. 224.
Fragaria vescaria.

Rhopalosiphum acaenae Schouteden. Schouteden, 1904a.
Acaena splendens.

Rhopalosiphum bossekiae Gillette and Palmer. Gillette, 1929b, p. 475.
Bossekia deliciosa.

Rhopalosiphum nymphaeae Linnaeus. Davidson, 1917a, p. 350; Essig, 1918a, p. 62; Hori, 1929b, p. 16, 54, 133; Judenko, 1930a, p. 137; Mordvilko, 1928c, p. 579; Nevsky, 1929b, p. 210; Patch, 1915c, p. 164; Takahashi, 1923a, p. 90, 169, 1928a; Theobald, 1927a, p. 64.
Amygdalus communis, Armeniaca, Persica vulgaris, Prunus amygdalus, P. armeniaca, P. avium, P. communis, P. domestica, P. mume, P. persica, Pyrus serotina.

Rhopalosiphum prunifoliae Fitch. Baker, 1917f; Hori, 1929b, p. 16, 51–54, 127; Hottes, 1931b, p. 240, 392; Lathrop, 1928a, p. 177; Quaintance, 1920a, p. 10; Theobald, 1927a, p. 75.
Crataegus crusgalli, C. cuneata, Cydonia vulgaris, Malus floribunda, M. pumila, M. sieboldi, Prunus avium, P. communis, P. japonica,

P. mume, P. persica, P. serrulata, Pyrus communis, P. malus, P. sinensis.

Rhopalosiphum scirpifolii Gillette and Palmer. Gillette, 1932b, p. 490.
Prunus besseyi.

Rhopalosiphum viridicaudus Miller. Miller, 1933c, p. 253.
Amelanchier.

Siphocoryne donarium Matsumura. Hori, 1929b, p. 54; Matsumura, 1918a, p. 7.
Prunus americana, P. avium, P. donarium.

Siphonaphis fitchi Sanderson. Mordvilko, 1935a, p. 304.
Crataegus, Malus, Sorbus.

Siphonaphis padi Linnaeus. Mordvilko, 1935a, p. 303.
Padus.

Toxoptera aurantii Boyer. Van der Goot, 1916a, p. 79.
Pyrus malus.

Toxoptera piricola Matsumura. Hori, 1929b, p. 52, 139; Matsumura, 1917b, p. 363; Okamoto, 1927a, p. 136.
Pyrus communis, P. serotina, P. sinensis.

Yezabura marchali Börner. Börner, 1931a, p. 8–11.
Prunus mahaleb.

Yezabura photiniae Matsumura. Matsumura, 1918a, p. 18.
Photinia villosa.

APHIDINAE (CALLIPTERINI):

Patchia spiraeae Takahashi. Takahashi, 1924a, p. 114.
Spiraea cantoniensis.

APHIDINAE (LACHNINI):

Anoecia corni Fabricius. Theobald, 1929a, p. 87.
Crataegus.

Dilachnus krishni George. George, 1928a.
Pear.

Lachnus padi Hartig. Wilson, 1918a, p. 120.
Prunus padus.

Lachnus pyri Buckton. Wilson, 1918a, p. 140.
Pyrus communis.

Nippolachnus piri Matsumura. Hori, 1929b, p. 52; Matsumura, 1917b, p. 355; Takahashi, 1923a, p. 141, 1929a, p. 100.
Eriobotrya japonica, Pyrus communis, P. serotina, P. sinensis, Raphiolepis indica, R. japonica.

Pterochlorus persicae Cholodkovsky. Hall, 1926a, p. 4; Nevsky, 1929b, p. 346, 393, 400.
Amygdalus communis, Cydonia vulgaris, Persica vulgaris, Prunus armeniaca, P. divaricata, P. domestica, P. vulgaris, Pyrus malus.

Pterochlorus rosae Cholodkovsky. Cholodkovsky, 1899a, p. 471; van der Goot, 1915a, p. 409; Knowlton, 1929c, p. 33; Oestlund, 1922a, p. 120; Theobald, 1929a, p. 115; Wilson, 1923a, p. 258.
Rosa canina, R. fendleri.

Pterochlorus saligna Gmelin. Theobald, 1929a, p. 106.
Prunus armeniaca, P. persica, Pyrus malus.

ERIOSOMATINAE:

Eriosoma americana Riley. Cooley, 1918a, p. 24; Gillette, 1934a, p. 211; Marcovitch, 1934a, p. 8; Maxson, 1923a, p. 313; Patch, 1915a, p. 198, 201.
Amelanchier alnifolia, A. canadensis.

Eriosoma crataegi Oestlund. Baker, 1915a, p. 15; Davis, 1910d, p. 412; Gillette, 1934a, p. 212; Oestlund, 1887a, p. 28; Wilson, 1918a, p. 64.
Crataegus crusgalli, C. punctata, C. tomentosus.

Eriosoma flavum Jancke. Jancke, 1930a, p. 155.
Pyrus communis.

Eriosoma inopinatum Alfieri. Börner, 1930a.
Pyrus communis.

Eriosoma lanigerum Hausmann. Baker, 1915a, p. 52, 1917d, p. 65; Börner, 1930a; Cutright, 1930a, p. 15; Gillette, 1934a, p. 210; Hori, 1929b, p. 162, 1930a, p. 38; Jancke, 1928a; Marchal, 1928a; Marcovitch, 1934a; Maxson, 1915a; Monzen, 1926a, p. 272; Mordvilko, 1923a, p. 40–41, 1928c, p. 577, 1929a, p. 197, 1935a, p. 110; Patch, 1912d, 1913c, p. 264, 1913e, 1914a, p. 266, 1920a, p. 158; Schneider-Orelli, 1926a; Schoene, 1935a; Theobald, 1929a, p. 279.
Cotoneaster acutifolia, C. horizontalis, C. humifusa, Crataegus coccinea, C. crusgalli, C. cuneata, C. rivularis, Cydonia, Malus floribunda, M. pumila, M. rivularis, M. sieboldii, M. toringo, Prunus, Pyrus americana, P. communis, P. malus, P. sitchensis, Sorbus.

Eriosoma lanuginosa Hartig. Baker, 1917d, p. 66; Börner, 1914a; Mordvilko, 1923a, p. 41; Nevsky, 1929b, p. 366; Theobald, 1929a, p. 283.
Pyrus communis, P. pyraster.

Eriosoma pyricola Baker and Davidson. Baker, 1917d, p. 65.
Pyrus communis.

? Pemphigus americanus Walker. Wilson, 1918a, p. 32.
? Pyrus malus.

Pemphigus lactucae Fitch. Cutright, 1925a, p. 201.
Prunus persica.

Pemphigus rubi Thomas. Thomas, 1879a, p. 148.
? Rubus occidentalis (accidental?)

Pemphigus rubiradicis Theobald. Theobald, 1929a, p. 267.
Rubus.

Prociphilus alnifoliae Williams. Gillette, 1915a, p. 99; Swain, 1919a, p. 146.
Amelanchier alnifolia, Heteromeles arbutifolia.

Prociphilus bumeliae Schrank. Matsumura, 1917a, p. 88.
Malus pumila.

Prociphilus corrugatans Sirrine. Baker, 1917d, p. 66; Gillette, 1934a, p. 230; Maxson, 1923a, p. 323; Patch, 1914a, p. 253; Quaintance, 1920a, p. 15.
Amelanchier alnifolia, Crataegus, Cydonia, Pyrus communis, Sorbus.

Prociphilus crataegi Tullgren. Essig, 1918a, p. 39; Theobald, 1929a, p. 232; Tullgren, 1909a, p. 102.
Crataegus cuneatus, C. oxyacantha.
Prociphilus erigeronensis Thomas. Cutright, 1925a, p. 207.
Rubus allegheniensis.
Prociphilus fitchii Baker and Davidson. Baker, 1917d, p. 66; Quaintance, 1920a, p. 15.
Pyrus communis.
Prociphilus kuwanai Monzen. Hori, 1929b, p. 16, 52, 159; Monzen, 1927a, p. 10; Mordvilko, 1935a, p. 96.
Pyrus communis, P. sinensis, P. ussuriensis.
Prociphilus pourthiacae Monzen. Monzen, 1927a.
Pourthiaca villosa.
Prociphilus sasakii Monzen. Monzen, 1927a.
Pyrus malus.
Prociphilus ushikoroshi Shinji. Shinji, 1932a.
Photinia villosa.
Tetraneura pruni Taschenberg. Wilson, 1918a, p. 137.
Prunus.
Watabura nishiyae Matsumura. Matsumura, 1917a, p. 90.
Cydonia vulgaris, Malus pumila.

PHYLLOXERIDAE:
Cinacium iaksuiense Kishida. Okamoto, 1927a, p. 147.
Pyrus sinensis.
Cinacium iwakusuiensis Kishida. Tabe, 1929a.
Pyrus sinensis.
Phylloxera piri Cholodkovsky and Mokrz. Cholodkovsky, 1910b, p. 149.
Pyrus communis.

LEGUMINOSAE
PULSE FAMILY

APHIDINAE (APHIDINI):
Acyrthosiphon dubium Mordvilko. Mordvilko, 1914a, p. 180.
"Papilionacearum."
Acyrthosiphon formosanum Takahashi. Takahashi, 1931a, p. 65.
Millettia reticulata.
Acyrthosiphon gossypii Mordvilko. Nevsky, 1929b, p. 84.
Alhagi camelorum, Phaseolus mungo, Sophora alopecuroides, Vicia faba.
Anomalaphis comperei Pergande. Baker, 1920a, p. 52.
Acacia.
Anuraphis bakeri Cowen. Baker, 1919c, p. 185; Cutright, 1925a, p. 191; Davis, 1908a, p. 259; Gillette, 1918b, p. 333; Patch, 1915d, p. 433; Quaintance, 1920a, p. 12; Smith, 1918a, p. 7, 1923a, p. 11; Swain, 1919a, p. 179.
Medicago sativa, Melilotus alba, Trifolium alexandrianum; T. incarnatum, T. pratense, T. repens, T. repens-latum.

Anuraphis crataegifoliae Fitch. Baker, 1919c, p. 186; Cutright, 1925a, p. 191; Smith, 1923a, p. 12.
Lathyrus odoratus, Pisum sativum, Trifolium.
Anuraphis fasciatus Del Guercio. Del Guercio, 1920a.
Medicago sativa.
Anuraphis helichrysi Kaltenbach. Hall, 1926a, p. 11; Nevsky, 1929b, p. 277; Smith, 1923a, p. 39; Theobald, 1927a, p. 250.
Clitoria, Trifolium hybridum, T. pratense, T. repens, T. scabrum.
Anuriella dorsolineata Del Guercio. Del Guercio, 1920a.
Medicago sativa.
Aphis abbreviata Patch. Patch, 1924a, p. 37.
Phaseolus vulgaris, Trifolium hybridum, T. pratense, Vicia sativa.
Aphis apocyni Koch. Ferrari, 1872a, p. 68.
Ononis natrix.
Aphis atronitens Cockerell. Cockerell, 1903d.
Vicia pulchella.
Aphis beccarii Del Guercio. Del Guercio, 1917a, p. 215.
Vicia faba.
Aphis brevis Sanderson. Patch, 1915d, p. 431.
Trifolium.
Aphis brunnea Ferrari. Ferrari, 1872a, p. 70.
Ononis natrix.
Aphis brunnea Macchiati. Macchiati, 1885a, p. 61.
Ononis.
Aphis ceratoniae Lichtenstein (*ined.*). Lichtenstein, 1884a, p. 18.
Ceratonia.
Aphis cistiella Theobald. Hall, 1926a, p. 15.
Butea frondosa.
Aphis coronillae Ferrari. Ferrari, 1872a, p. 69.
Coronilla pusilla.
Aphis craccae Linnaeus. Van der Goot, 1915a, p. 196; Schouteden, 1906a, p. 220; Zirnits, 1927a, p. 209.
Vicia cracca, V. lutea, V. sativa.
Aphis cytisorum Hartig. Hartig, 1841a, p. 370.
Cytisus laburnum.
Aphis dissita Walker. Wilson, 1918a, p. 70.
Lathyrus odoratus.
Aphis dolichi Montrouzier. Wilson, 1918a, p. 70.
Dolichos.
Aphis dolichii Signoret. Lichtenstein, 1885a (Suppl. p. 123).
Dolichos.
Aphis evonymi Fabricius. Nevsky, 1929b, p. 164; Swain, 1919a, p. 170, 176.
Lathyrus odoratus, Phaseolus, Vicia.
Aphis fabae Blanchard. Wilson, 1918a, p. 74.
Vicia faba.
Aphis fabae Scopoli. Franssen, 1927a, p. 260, 261; Nevsky, 1929b, p. 166; Roepke, 1928a, p. 7; Werder, 1931a, p. 82.

Lens esculenta, Phaseolus coccineus, P. vulgaris, Pisum arvense, Trifolium incarnatum, T. pratense, Vicia faba, V. sativa, V. sepium, Wisteria sinensis.

Aphis genistae Scopoli. Passerini, 1863a, p. 247; Theobald, 1927a, p. 127.
Genista angelica, G. germanica, G. tinctoria.

Aphis glycines Matsumura. Hori, 1929b, p. 46; Matsumura, 1917b, p. 388.
Glycine hispida, G. soja.

Aphis gossypii Glover. Goff, 1932a, p. 10; van der Goot, 1916a, p. 95, 96; Hall, 1926a, p. 19; Nevsky, 1929b, p. 171; Patch, 1925b, p. 189; Pergande, 1895a, p. 313; Takahashi, 1928a, 1931a, p. 45; Theobald, 1927a, p. 144.
Bauhinia variegata, Cassia tora, Clitoria, Crotalaria striata, Cynometra cauliflora, Dolichos lablab, Flemingia congesta, Glycine max, G. soja, Medicago sativa, Melilotus alba, Phaseolus multiflorus, P. nanus, Tephrosia candida, Trifolium pratense, Wisteria.

Aphis incerta Nevsky. Nevsky, 1929b, p. 398.
Medicago sativa.

Aphis incumbens Walker. Walker, 1849b, p. 35.
Ononis spinosa.

Aphis isabellina Del Guercio. Del Guercio, 1917a, p. 212.
Trifolium.

Aphis laburni Kaltenbach. Blanchard, 1935a; van der Goot, 1915a, p. 210; Hall, 1926a, p. 20; Kaltenbach, 1843a, p. 85; Krisnamurthy, 1928a; Nevsky, 1929b, p. 185, 398, 399, 403; Patch, 1923b, p. 294; Smee, 1931a; Takahashi, 1931a, p. 46; Theobald, 1927a, p. 124, 127.
Acacia, Aeschynomene indica, Alhagi camelorum, Arachis hypogaea, Astragalus alopecias, A. globicis, A. sinicus, Cajanus indica, Crotalaria, Cytisus laburnum, C. scoparius, Dolichos lablab, Genista tinctoria, Glycine soja, Glycirrhyza glabra, Halimodendron argenteum, Laburnum vulgare, Medicago sativa, Melilotus alba, M. officinalis, Onobrychis pulchella, Ononis hircina, Phaseolus lunatus, P. mungo, Pisum sativum, Psoralea drupacea, Robinia pseudo-acacia, Sesbania punicea, Sophora alopecuroides, Spartium junceum, S. scoparum, Sphaerophysa salsula, Vicia, Vigna sinensis.

Aphis leguminosae Theobald. Bouriquet, 1930a; Hall, 1926a, p. 21.
Arachis hypogaea, Lens esculenta, Phaseolus lunatus, P. vulgaris.

Aphis loti Kaltenbach. Theobald, 1927a, p. 188.
Lotus corniculatus.

Aphis lupine-hansoni Knowlton. Knowlton, 1935a, p. 113.
Lupinus.

Aphis lupini Gillette and Palmer. Gillette, 1929a, p. 18.
Lupinus decumbens.

Aphis medicaginis Koch. Cowen, 1895a, p. 120; Das, 1918a, p. 268–273; Davidson, 1909a, p. 302; Essig, 1912c, p. 826, 1917a, p. 340, 1918a, p. 38; Gillette, 1908c, 1932b, p. 416; van der Goot, 1916a, p. 98, 100; Del Guercio, 1911a, p. 297; Hall, 1926a, p. 23; Hunter, 1901a, p. 101; Jones, 1929a, p. 27, 40, 43; Macchiati, 1883a, p. 255; Mason, 1927a,

p. 87; Passerini, 1863b, p. 42; Takahashi, 1923a, p. 101; Williams, 1891a, p. 20.

Acacia, Aeschynomene indica, Alhagi maurorum, Aragallus, Astragalus bisulcatus, A. leucopis, A. sinicus, Bauhinia tomentosa, Cajanus indicus, Caragana arborescens, Crotalaria striata, Cyamopsis psoraloides, Dalbergia sissoo, Desmodium gyrans, Dolichos lablab, D. monachalis, Glycine soja, Glycyrrhiza lepidota, Indigofera tinctoria, Lathyrus sativus, Medicago dentatus, M. denticulata, M. falcata, M. hispida, M. lupulina, M. orbicularis, M. sativa, Melilotus alba, M. italica, M. officinalis, M. parviflora, Oxytropis lamberti, Phaseolus lunatus, P. mungo, P. radiatus, P. trilobus, Pisum, Robinia neomexicana, R. pseudo-acacia, R. viscosa, Sesbania aegyptica, Spartium junceum, Tephrosia candida, Trifolium ochroleucum, T. repens, Trigonella foenum-graecum, Vicia, Vigna catjang, V. sinensis.

Aphis middletonii Thomas. Jones, 1929a, p. 43.

Melilotus alba.

Aphis mimosae Ferrari. Ferrari, 1872b, p. 227.

Mimosa.

Aphis onobrychidis Goureau. Wilson, 1918a, p. 118.

Hedysarum onobrychis.

Aphis papaveris Fabricius. Börner, 1922a; Ferrari, 1872a, p. 71; Del Guercio, 1911a, p. 297, 1917a, p. 240; Passerini, 1863b, p. 46.

Melilotus, Phaseolus vulgaris, Ulex, Vicia faba, V. sativa.

Aphis pawneepae Parker. Parker, 1935a, p. 147.

Red-bud.

Aphis pseudobrassicae Davis. Paddock, 1915a, p. 9.

Bean.

Aphis rumicis Linnaeus. Davidson, 1922a; Gillette, 1932b, p. 440; van der Goot, 1915a, p. 225; Gould, 1930a, p. 828; Krishnamurthy, 1928a; Theobald, 1927a, p. 102; Thomas, 1879a, p. 88; Zirnits, 1927a, p. 245.

Aragallus albiflorus, Genista, Lathyrus sylvestris, Phaseolus, Pisum, Trifolium, Ulex europaeus, Vicia cracca, V. faba, V. sativa, Vigna catjang.

Aphis sarothamni Franssen. Franssen, 1928a, p. 86.

Sarothamnus vulgaris.

Aphis scaliae Del Guercio. Del Guercio, 1915a, p. 249.

Trifolium pratense.

Aphis senecio Swain. Swain, 1919a, p. 124.

Cytisus proliferus.

Aphis setosa Kaltenbach. Kaltenbach, 1874, p. 107.

Cytisus scroparius.

Aphis spiraecola Patch. Patch, 1923a, p. 50, 1929a, p. 699.

Pisum sativum, Trifolium pratense.

Idiopterus brasiliensis Moreira. Moreira, 1925a.

Phaseolus lunatus.

Macrosiphum albifrons Essig. Essig, 1911c, p. 546; Soliman, 1927a, p. 110.

Lupinus albifrons, L. arboreus, L. latifolius.

Macrosiphum brachytarsus Lambers. Lambers, 1933b.
Cajanus indicus.

Macrosiphum caraganae Cholodkovsky. Mordvilko, 1914a, p. 152, 153; Zirnits, 1927a, p. 204.
Caragana arborescens, C. pygmaea.

Macrosiphum creelii Davis. Davis, 1914a, p. 47; Gillette, 1934a, p. 176.
Medicago sativa.

Macrosiphum desmodii Williams. Williams, 1910a, p. 76.
Desmodium canescens.

Macrosiphum gei Koch. Theobald, 1926a, p. 111.
Glycine soja, Phaseolus vulgaris, Pisum sativum.

Macrosiphum genistae Mordvilko. Mordvilko, 1914a, p. 144; Theobald, 1917a, p. 80.
Genista tinctoria.

Macrosiphum hagi Essig and Kuwana. Essig, 1918a, p. 45.
Lespedeza bicolor.

Macrosiphum hagicola Matsumura. Matsumura, 1918b, p. 397.
Lespedeza bicolor.

Macrosiphum lathyri Moseley. Wilson, 1918a, p. 100.
Lathyrus.

Macrosiphum loti Theobald. Theobald, 1926a, p. 134.
Lotus corniculatus, L. uliginosus.

Macrosiphum matsumuraeanum Hori. Hori, 1926a, p. 61, 62, 1929b, p. 16, 56, 68.
Glycine soja, Lespedeza bicolor, Medicago sativa, Phaseolus angularis, P. radiatus, P. vulgaris, Pisum sativum, Trifolium incarnatum, T. pratense, T. repens.

Macrosiphum neavei Theobald. Smee, 1931a.
Cajanus indicus.

Macrosiphum nigrinectaria Theobald. Smee, 1931a; Theobald, 1915a, p. 108.
Cajanus indicus, Pisum.

Macrosiphum onobrychis Boyer. Wilson, 1918a, p. 118; Zeck, 1933a.
Lathyrus odoratus, Onobrychis viciaefolia.

Macrosiphum ononis Koch. Koch, 1857a, p. 176.
Ononis spinosa.

Macrosiphum pisi Kaltenbach. Campbell, 1926a, p. 864; Das, 1918a, p. 268, 269, 273; Davis, 1915a, p. 11, 12; van der Goot, 1915a, p. 85–86, 1916a, p. 293; Hall, 1926a, p. 39; Hori, 1929b, p. 71, 72; Keen, 1923a, p. 394; Mordvilko, 1914a, p. 85–86, 1928c, p. 576; Okamoto, 1927a, p. 131; Olsen, 1921a, p. 14; Patch, 1927b, p. 14; Theobald, 1926a, p. 131–133.
Alhagi maurorum, Clianthus puniceus, Colutea arborescens, Cytisus scoparius, Genista tinctoria, Glycine soja, Lathyrus angustifolius, L. hirsutus, L. latifolius, L. maritimus, L. odoratus, L. pisiformis, L. pratensis, L. sativus, L. sylvestris, Lespedeza cytisoides, Lotus corniculatus, L. uliginosus, Lupinus, Medicago falcata, M. hispida, M. lupulina, M. sativa, Melilotus alba, M. indicus, Onobrychis sativa, O. viciaefolia, Ononis hircina, O. repens, Phaseolus vulgaris, Pisum

arvense, P. sativum, Psoralea macrostachya, Robinia pseudo-acacia Spartium junceum, Trifolium agrarium, T. alexandrinum, T. arvense, T. filiforme, T. hybridum, T. incarnatum, T. pratense, T. procumbens, T. repens, T. scabrum, Trigonella foenum-graecum, Vicia americana, V. amoena, V. angustifolia, V. atropurpurea, V. cracca, V. faba, V. gigantea, V. ludoviciana, V. sativa, V. sepium, V. villosa, Vigna sinensis.

Macrosiphum solani Kaltenbach. Matsumura, 1917b, p. 361.
Glycine, Lespedeza, Pisum.

Macrosiphum solanifolii Ashmead. Patch, 1921a, p. 328.
Desmodium, Lespedeza procumbens, Phascolus vulgaris, Pisum sativum, Trifolium arvense, T. incarnatum, Vicia sativa.

Macrosiphum spartii Koch. Koch, 1857a, p. 172.
Sarothamnus scoparius.

Macrosiphum theobaldii Davis. Theobald, 1926a, p. 139.
Trifolium procumbens.

Macrosiphum zionensis Knowlton. Knowlton, 1935a, p. 115.
Lupinus.

Megoura japonica Matsumura. Matsumura, 1918a, p. 10; Okamoto, 1927a, p. 133.
Vicia cracca, V. flava, V. unijuga.

Megoura tribulis Walker. Theobald, 1926a, p. 175.
Vicia sepium.

Megoura viciae Kaltenbach. Jackson, 1918a, p. 85; Mordvilko, 1919a, p. 323; Nevsky, 1929b, p. 100; Okamoto, 1927a, p. 133; Theobald, 1926a, p. 175.
Faba vulgaris, Lathyrus latifolius, L. odoratus, L. pratensis, L. sativus, L. sylvestris, Phaseolus vulgaris, Pisum, Vicia faba, V. sativa.

Microparsus variabilis Patch. Hottes, 1931b, p. 334; Patch, 1909d, p. 338, 339.
Amphicarpa monoica, Desmodium canadense, D. marilandicum.

Myzus circumflexus Buckton. Jenkins, 1926a.
Trifolium pratense.

Myzus persicae Sulzer. Das, 1918a, p. 270; Gillette, 1908a, p. 35, 36; Hall, 1926a, p. 42; Mason, 1921a, p. 24, 25; Matsumura, 1917b, p. 362; Swain, 1919a, p. 164; Takahashi, 1923a, p. 168.
Astragalus, Bauhinia variegata, Crotalaria laburnifolia, Cytisus, Dalbergia sissoo, Glycine, Lupinus ternis, Phaseolus vulgaris, Pisum arvense, P. sativum, Stizolobium decringianum, Trifolium pratense, T. repens, Vicia.

Myzus pseudosolani Theobald. Patch, 1928a, p. 56.
Pisum sativum, Trifolium hybridum, T. pratense, T. repens.

Myzus solani Kaltenbach. Bartholomew, 1932a, p. 727.
Lathyrus, Melilotus.

Pergandeida ononidis Schouteden. Schouteden, 1906a, p. 215.
Ononis repens.

Picturaphis vignaphilus Blanchard. Blanchard, 1922b, p. 46.
Vigna luteola.

Rhizoberlesia trifolii Del Guercio. Del Guercio, 1915a, p. 246.
Trifolium.
Rhopalosiphum ampullata Buckton. Zirnits, 1927a, p. 207.
Phaseolus multiflorus.
Rhopalosiphum lespedezae Essig and Kuwana. Essig, 1918a, p. 59.
Lespedeza bicolor.
Toxoptera aphoides van der Goot. Van der Goot, 1916a, p. 294.
Erythrina ovalifolia.
Toxoptera aurantii Boyer. Van der Goot, 1916a, p. 294; Krishnamurthy, 1928a; Mason, 1927a, p. 88.
Albizzia odoratissima, Butea frondosa, Saraca declinata.
Uraphis genistae Kaltenbach. Del Guercio, 1906a, p. 192; Kaltenbach, 1843a, p. 91.
Genista angelica, G. tinctoria.

APHIDINAE (CALLIPTERINI):
Callipterus robiniae Gillette. Gillette, 1907b, p. 395; Knowlton, 1929a, p. 5.
Robinia neomexicana, R. pseud-acacia.
Melanoxanthus vignae Matsumura. Matsumura, 1917b, p. 410.
Vigna sinensis.
Myzocallis trifolii Monell. Gillette, 1931a, p. 893.
Trifolium pratense.
Myzocallis zelkowae Takahashi. Takahashi, 1919b, p. 174.
Beans.
Sipha schoutedeni Del Guercio. Theobald, 1929a, p. 5.
Lotus corniculatus, Trifolium repens.
Therioaphis ononidis Kaltenbach. Davis, 1914b, p. 19; Hall, 1926a, p. 5; Macchiati, 1883a, p. 230; Passerini, 1863a, p. 255, 1863b, p. 54; Theobald, 1923b, p. 27, 1927a, p. 367.
Lespedeza, Medicago maculata, M. sativa, Melilotus alba, Onobrychis sativa, Ononis hircina, O. reclinata, O. repens, O. serrata, O. spinosus, Trifolium alexandrinum, T. medium, T. pratense, T. procumbens.

APHIDINAE (LACHNINI):
Longistigma caryae Harris. Sanborn, 1904a, p. 31; Wilson, 1909a, p. 385.
Cercis canadensis.
Trama troglodytes Heyden. Wilson, 1918a, p. 170.
Cytisus scoparius.

ERIOSOMATINAE:
Geoica squamosa Hart. Cutright, 1925a, p. 212.
Trifolium pratense.
Pemphigus bursarius Linnaeus. Mordvilko, 1935a, p. 70–76.
Melilotus.
Pemphigus coluteae Passerini. Passerini, 1863a, p. 157.
Colutea arborescens.
Pemphigus lactucae Fitch. Cutright, 1925a, p. 201.
Trifolium pratense.

Prociphilus erigeronensis Thomas. Cutright, 1925a, p. 207.
Arachis hypogaea, Phaseolus vulgaris, Trifolium hybridum.
Schizoneura sparthani Boisduval. Wilson, 1918a, p. 160.
Cytisus scoparius, Spartium junceum.
Trifidaphis phaseoli Passerini. Van der Goot, 1915a, p. 516; Hall, 1926a, p. 47; Mordvilko, 1935a, p. 183–196; Passerini, 1863a, p. 256; Theobald, 1929a, p. 211.
Faba, Phaseolus coccineus, P. multiflorus, P. vulgaris, Vicia faba.
Trifidaphis radicicola Essig. Cutright, 1925a, p. 212; Hawley, 1922a, p. 1017.
Lathyrus odoratus, Phaseolus vulgaris.

LINACEAE

FLAX FAMILY

Acyrthosiphon mordvilkoi Nevsky. Nevsky, 1928a, p. 186.
Linum usitatissimum.
Aphis fabae Scopoli. Roepke, 1928a, p. 7.
Linum grandiflorum.
Aphis leguminosae Theobald. Hall, 1926a, p. 21.
Linum usitatissimum.
Macrosiphum granarium Kirby. Gillette, 1934a, p. 183.
Linum.
Myzus circumflexus Buckton. Theobald, 1926a, p. 333.
Linum.
Pemphigus betae Doane. Parker, 1914a, p. 137.
Linum.

ZYGOPHYLLACEAE

CALTROP FAMILY

Aphis laburni Kaltenbach. Nevsky, 1929b, p. 402.
Tribulus terrestris.
Aphis malvae Koch. Das, 1918a, p. 272.
Peganum harmala.
Aphis medicaginis Koch. Das, 1918a, p. 273.
Tribulus terrestris.
Brachyunguis harmalae Das. Das, 1918a, p. 272.
Peganum harmala.
Macrosiphum pisi Kaltenbach. Das, 1918a, p. 272.
Peganum harmala.
Xerophilaphis plotnikovi Nevsky. Nevsky, 1928b, p. 13.
Peganum harmala.
Xerophilaphis zygophylli Nevsky. Nevsky, 1928b, p. 9.
Zygophyllum fabago.

OXALIDACEAE

WOOD SORREL FAMILY

Aphis abbreviata Patch. Patch, 1924a, p. 37.
Oxalis acetosella, O. corniculata.
Aphis maidi-radicis Forbes. Davis, 1909b, p. 124.
Oxalis stricta.
Aphis maidis Fitch. Davis, 1909b, p. 145.
Oxalis.
Aphis oxalina Theobald. Theobald, 1927a, p. 126.
Oxalis corniculatus.
Aphis oxalis Macchiati. Theobald, 1927a, p. 126.
Oxalis corniculatus.
Macrosiphum solanifolii Ashmead. Swain, 1919a, p. 170.
Oxalis.
Myzus circumflexus Buckton. Theobald, 1926a, p. 333.
Oxalis.
Myzus persicae Sulzer. Griswold, 1927b, p. 15; Wilson, 1918a, p. 280.
Oxalis cernua, O. corniculata, O. rosea.
Myzus solani Kaltenbach. Bartholomew, 1932a, p. 727.
Oxalis.
Toxoptera aurantii Boyer. Swain, 1919a, p. 170.
Oxalis.

GERANIACEAE

GERANIUM FAMILY

Amphorophora geranii Gillette and Palmer. Gillette, 1929b, p. 474.
Geranium richardsonii.
Aphis extranea Walker. Walker, 1848c, p. 2251; Wilson, 1918a, p. 282.
Pelargonium.
Aphis geranii Kaltenbach. Wilson, 1918a, p. 82.
Geranium maculatum, G. robertianum.
Aphis rumicis Linnaeus. Britton, 1933a, p. 109.
Geranium.
Aphis urticaria Kaltenbach. Nevsky, 1929b, p. 204.
Geranium divaricatum.
Macrosiphum bosqi Blanchard. Blanchard, 1932a.
Pelargonium graveolens.
Macrosiphum cornelli Patch. Gillette, 1934a, p. 175; Griswold, 1927b, p. 14.
Pelargonium domesticum, P. graveolens, P. odoratissimum, P. peltatum, P. quercifolium, P. radula.
Macrosiphum geranii Oestlund. Oestlund, 1887a, p. 80.
Geranium maculatum.
Macrosiphum pelargonii Kaltenbach. Theobald, 1926a, p. 125; Werder, 1931a, p. 82.
Geranium, Pelargonium violaceum.

Macrosiphum schrankii Theobald. Bartholomew, 1932a, p. 727.
Erodium.
Macrosiphum solanifolii Ashmead. Gillette, 1934a, p. 196; Swain, 1919a, p. 165.
Erodium, Geranium.
Macrosiphum urticae Schrank. Nevsky, 1929b, p. 92; Theobald, 1926a, p. 122, 123.
Geranium.
Myzus geranicola Shinji. Shinji, 1935a, p. 233.
Geranium.
Myzus persicae Sulzer. Gillette, 1908a, p. 35; Hall, 1926a, p. 42; Swain, 1919a, p. 170; Wilson, 1918a, p. 125.
Erodium botrys, E. cicutarium, Geranium molle, G. robertianum.
Myzus solani Kaltenbach. Bartholomew, 1932a, p. 727.
Erodium, Geranium dissectum.
Myzus targionii Del Guercio. Del Guercio, 1894a, p. 197.
Pelargonium.
Pentalonia nigronervosa Coquerel. Swain, 1919a, p. 78.
Pelargonium.

TROPAEOLACEAE

TROPAEOLUM FAMILY

Aphis abbreviata Patch. Patch, 1924a, p. 37.
Tropaeolum majus.
Aphis fabae Scopoli. Roepke, 1928a, p. 7.
Tropaeolum majus.
Aphis rumicis Linnaeus. Van der Goot, 1915a, p. 225; Hottes, 1931b, p. 401.
Tropaeolum majus.
Macrosiphum gei Koch. Theobald, 1926a, p. 111.
Tropaeolum.
Myzus circumflexus Buckton. Swain, 1919a, p. 175.
Tropaeolum.
Myzus persicae Sulzer. Gillette, 1934a, p. 205.
Tropaeolum majus.

RUTACEAE

RUE FAMILY

Aphis asclepiadis Fitch. Wilson, 1918a, p. 37.
Citrus aurantium.
Aphis citri Ashmead. Oestlund, 1887a, p. 69.
Citrus.
Aphis citricidus Kirkaldy. Mason, 1927a, p. 87; Takahashi, 1930d, p. 321, 1931a, p. 47.
Citrus, Murraya exotica.

Aphis citricola Del Guercio. Del Guercio, 1917a, p. 235.
Citrus.
Aphis cookii Essig. Swain, 1919a, p. 100.
Citrus.
Aphis gossypii Glover. Hall, 1926a, p. 19; Patch, 1925b, p. 189; Pergande, 1895a, p. 314.
Citrus aurantium.
Aphis medicaginis Koch. Essig, 1917a, p. 340.
Citrus.
Aphis nerii Boyer. Hall, 1926a, p. 23.
Citrus aurantium.
Aphis odinae van der Goot. Takahashi, 1931a, p. 49.
Citrus.
Aphis somei Essig and Kuwana. Essig, 1918a, p. 76.
Citrus.
Aphis spiraecola Patch. Miller, 1928a, p. 49, 1929a, p. 435.
Citrus.
Aphis tavaresi Del Guercio. Van der Goot, 1916a, p. 111.
Citrus.
Macrosiphoniella citricola van der Goot. Van der Goot, 1916a, p. 36; Takahashi, 1930d, p. 320.
Citrus aurantium, Murraya exotica.
Macrosiphum citrifolii Ashmead. Essig, 1911d, p. 596.
Citrus.
Macrosiphum evodiae Takahashi. Takahashi, 1929a, p. 94.
Evodia triphylla.
Macrosiphum jaceae Linnaeus. Theobald, 1926a, p. 96.
Ruta graveolens.
Macrosiphum solanifolii Ashmead. Patch, 1921a, p. 329.
Citrus.
Mesocallis pteleae Matsumura. Matsumura, 1919a, p. 104.
Ptelea trifoliata.
Myzus asclepiadis Passerini. Ferrari, 1872a, p. 62.
Citrus aurantium.
Myzus persicae Sulzer. Essig, 1911d, p. 600; Hall, 1926a, p. 42.
Citrus aurantium, C. medica.
Pterochlorus persicae Cholodkovsky. Hall, 1926a, p. 4.
Citrus.
Rhopalosiphum magnoliae Essig and Kuwana. Essig, 1918a, p. 40, 41.
Citrus aurantium, Poncirus trifoliata.
Rhopalosiphum sambucicola Takahashi. Takahashi, 1919b, p. 176.
Citrus.
Toxoptera aurantii Boyer. Ferrari, 1872a, p. 62; van der Goot, 1916a, p. 78, 79, 295; Mason, 1927a, p. 88; Phillips, 1912a, p. 8.
Citrus aurantium, C. limonum, Evodia aromatica, Murraya exotica.
Toxoptera citrifoliae Shiraki. Matsumura, 1917b, p. 363; Takahashi, 1931a, p. 49.
Citrus.

Xerophilaphis plotnikovi Nevsky. Nevsky, 1929b, p. 249.
Peganum harmala.
Xerophilaphis rutae Nevsky. Nevsky, 1929b, p. 251.
Ruta sieversii.

SIMARUBACEAE

QUASSIA FAMILY

Aphis laburni Kaltenbach. Nevsky, 1929b, p. 185.
Ailanthus glandulosa.
Aphis pomi DeGeer. Theobald, 1927a, p. 137.
Ailanthus glandulosa.

BURSERACEAE

ELEPHANT-TREE FAMILY

Aphis gossypii Glover. Goff, 1932a, p. 10.
Bursera simaruba.
Paoliella hystrix Theobald. Theobald, 1928e.
Commiphora savojae.

MELIACEAE

MELIA FAMILY

Longiunguis odinae van der Goot. Van der Goot, 1916a, p. 296.
Dysoxylum amooroides.
Toxoptera aurantii Boyer. Van der Goot, 1916a, p. 294, 295.
Aglaia odorata, Lansium domesticum.

MALPIGHIACEAE

MALPIGHIA FAMILY

Aphis gossypii Glover. Hall, 1926a, p. 19.
Malpighia.
Aphis leguminosae Theobald. Hall, 1926a, p. 21.
Hyptage madablota.

POLYGALACEAE

MILKWORT FAMILY

Aphis polygala-senega Rafinesque. Hottes, 1931a, p. 67; Rafinesque, 1818a.
Polygala senega.

EUPHORBIACEAE

SPURGE FAMILY

and

BUXACEAE

BOX FAMILY

APHIDINAE:

Aphis asclepiadis Fitch. Oestlund, 1887a, p. 60.
Euphorbia.

Aphis euphorbiae Kaltenbach. Macchiati, 1883a, p. 239; Passerini, 1863b, p. 47; Schouteden, 1906a, p. 220.
Euphorbia biglandulosa, E. cyparissias, E. esula, E. peplus. E. terracina.

Aphis euphorbiae Walker. Theobald, 1927a, p. 218.
Euphorbia peplus.

Aphis fabae Scopoli. Franssen, 1927a, p. 260.
Mercurialis annua.

Aphis gossypii Glover. Van der Goot, 1916a, p. 95; Mason, 1927a, p. 87; Pergande, 1895a, p. 314; Takahashi, 1924a, p. 119; Theobald, 1927a, p. 144.
Acalypha boehmeroides, A. virginica, Breynia officinalis, Euphorbia pilulifera.

Aphis malvoides van der Goot. Van der Goot, 1916a, p. 295.
Glochidion cyrtostylum, G. obscurum.

Aphis odinae van der Goot. Takahashi, 1931a, p. 49.
Bischofia javanica, Sapium sebiferum.

Aphis papaveris Fabricius. Del Guercio, 1911a, p. 297.
Buxus sempervirens.

Aphis pomi DeGeer. Takahashi, 1923a, p. 103, 1931a, p. 44.
Glochidion fortunei, G. hongkongense.

Aphis pulchella Hottes and Frison. Hottes, 1931b, p. 213.
Euphorbia.

Aphis rumicis Linnaeus. Van der Goot, 1915a, p. 225; Walker, 1850a, p. 18.
Buxus sempervirens, Euphorbia paralias.

Aphis somei Essig and Kuwana. Takahashi, 1923a, p. 110.
Bischofia javanica, Sapium sebiferum.

Chromaphis juglandicola Kaltenbach. Nevsky, 1929b, p. 322.
Ricinus communis.

Greenidea brideliae Takahashi. Takahashi, 1928c, p. 48.
Bridelia mononica.

Greenideoida elongata van der Goot. Van der Goot, 1916a, p. 297.
Bridelia tomentosa.

Macrosiphum amygdaloides Theobald. Theobald, 1926a, p. 101.
Euphorbia amygdaloides.

Macrosiphum cyparissiae Koch. Del Guercio, 1913b, p. 191; Koch, 1857a, p. 174; Mordvilko, 1914a, p. 79, ap. 8; Nevsky, 1929b, p. 82; Theobald,

1926a, p. 82.
Euphorbia cyparissias, E. gerardiana, E. peplus.

Macrosiphum euphorbiae Thomas. Jones, 1929a, p. 39; Soliman, 1927a, p. 133; Thomas, 1879a, p. 57.
Euphorbia lathyrus, E. maculata, E. marginata.

Macrosiphum euphorbicola Thomas. Thomas, 1879a, p. 57.
Euphorbia marginata.

Macrosiphum euphorbiellum Theobald. Theobald, 1926a, p. 123.
Euphorbia esula.

Macrosiphum gei Koch. Hottes, 1931b, p. 393.
Euphorbia marginata.

Megoura citricola van der Goot. Takahashi, 1931a, p. 74.
Bridelia ovata.

Myzus mercurialis Theobald. Theobald, 1926a, p. 351.
Mercurialis officinalis.

Myzus persicae Sulzer. Das, 1918a, p. 271; Gillette, 1908a, p. 35; Hall, 1926a, p. 42; Mason, 1921a, p. 23, 1927a, p. 89.
Acalypha boehmeroides, Croton, Euphorbia helioscopia, E. pulcherrima, Ricinus communis.

Setaphis formosanus Takahashi. Takahashi, 1931a, p. 35.
Glochidion sphaerostigmum.

Setaphis luteus van der Goot. Van der Goot, 1916a, p. 157, 297.
Breynia racemosa, Fluggea virosa, Glochidion obscurum.

Setaphis viridis van der Goot. Van der Goot, 1916a, p. 160; Takahashi, 1927b.
Phyllanthus, Sauropus albicans.

Toxoptera aurantii Boyer. Takahashi, 1931a, p. 50.
Macaranga tanarius.

ERIOSOMATINAE:

Pemphigus brevicornis Hart. Davis, 1910d, p. 408.
Euphorbia.

Schoutedenia ralumensis Rubsaamen. Wilson, 1918a, p. 248.
Glochidion philippense.

Trifidaphis phaseoli Passerini. Theobald, 1929a, p. 211.
Euphorbia lathyris.

CALLITRICHACEAE

WATER STARWORT FAMILY

Rhopalosiphum nymphaeae Linnaeus. Zirnits, 1927a, p. 246.
Callitriche stagnalis.

ANACARDIACEAE

CASHEW FAMILY

APHIDINAE:

Aphis gossypii Glover. Hall, 1926a, p. 19.
Mangifera indica.

Aphis odinae van der Goot. Van der Goot, 1916a, p. 116; Okamoto, 1927a, p. 138; Takahashi, 1931a, p. 49.
Mangifera indica, Odina wodier, Rhus javanica, R. semialata.
Aphis therebinthinae Virey. Hagen, 1863a, p. 449.
Pistacia terebinthus.
Arimakia araliae Matsumura. Matsumura, 1917b, p. 363.
Rhus vernicifera.
Carolinaia rhois Tissot. Tissot, 1928a, p. 1.
Rhus radicans.
Greenidea mangiferae Takahashi. Takahashi, 1931a, p. 28.
Mangifera indica.
Myzus rhois Takahashi. Takahashi, 1924a, p. 103.
Rhus vernicifera.
Rhopalosiphum rhois Monell. Essig, 1917a, p. 334; Gillette, 1915a, p. 100; Hottes, 1931a, p. 240, 399.
Rhus canadensis, R. diversiloba, R. glabra, R. trilobata.
Toxoptera aurantii Boyer. Van der Goot, 1916a, p. 79, 295.
Mangifera, Odina wodier.
Toxoptera djarani van der Goot. Van der Goot, 1916a, p. 86.
Odina wodier.
ERIOSOMATINAE:
Aploneura lentisci Passerini. Ferrari, 1872a, p. 84; Mordvilko, 1928a, p. 359, 1935a, p. 216–221.
Pistacia lentiscus.
Baizongia pistaciae Linneaus. Schumacher, 1921c, p. 284.
Pistacia.
Ceratopemphigus zehntneri Schouteden. Schouteden, 1905a, p. 188.
Pistacia ("possibly").
Forda follicularia Passerini. Destefani, 1917a, p. 154; Mordvilko, 1928a, p. 359.
Pistacia mutica, P. terebinthus, P. vera.
Forda follicullariodes Mordvilko. Mordvilko, 1935a, p. 135.
Pistacia terebinthus.
Forda formicaria Heyden. Mordvilko, 1927a, p. 296, 1928b, p. 1072, 1928d, p. 527.
Pistacia terebinthus.
Forda hirsuta Mordvilko. Mordvilko, 1928a, p. 359.
Pistacia vera.
Fushia rosea Matsumura. Matsumura, 1917a, p. 71.
Rhus semialata.
Geoica lucifuga Zehntner. Mordvilko, 1935a, p. 215.
Pistacia bohemica, P. chinensis.
Geoica utricularia Passerini. Mordvilko, 1935a, p. 202–213.
Pistacia mutica, P. terebinthus.
Melaphis chinensis Bell. Baker, 1917c, p. 389.
Rhus japonica, R. semialata.

Melaphis rhois Fitch. Hottes, 1931b, p. 359; Jackson, 1908a, p. 203; Mordvilko, 1935a, p. 136.
Rhus glabra, R. trifolia, R. typhina.

Nurudea ibofushi Matsumura. Matsumura, 1917a, p. 67.
Rhus semialata.

Nurudea shiraii Matsumura. Matsumura, 1917a, p. 69; Takahashi, 1923a, p. 170, 1931a, p. 103.
Rhus javanica, R. semialata.

Nurudeopsis yanoniella Matsumura. Matsumura, 1917a, p. 70.
Rhus semialata.

Paracletus donisthorpei Theobald. Theobald, 1929a, p. 202.
"Probably *Pistacia* gall former."

Paracletus portshinskyi Mordvilko. Theobald, 1929a, p. 202.
"Probably *Pistacia* gall former."

Paracletus cimiciformis Heyden. Mordvilko, 1928a, p. 359.
Pistacia terebinthus.

Pemphigella aedificator Buckton. Buckton, 1893a, p. 71; Das, 1918a, p. 272; Takahashi, 1933e.
Pistacia chinensis, P. integerrima, P. khinjuk, P. terebinthus.

Pemphigella cornicularia Passerini. Destefani, 1917a, p. 153; Mordvilko, 1927a, p. 297, 1928a, p. 359.
Pistacia chinensis, P. khinjuk, P. terebinthus, P. vera.

Pemphigella mimeuri Gaumont. Gaumont, 1930a.
Pistacia terebinthus.

Pemphigetum muticae Mordvilko. Mordvilko, 1928a, p. 359.
Pistacia mutica.

Pemphigus coccus Buckton. Buckton, 1899c, p. 141.
Pistacia vera.

Pemphigus corniculoides Lichtenstein. Lichtenstein, 1880a, p. 98.
Pistacia terebinthus.

Pemphigus derbesi Lichtenstein. Buckton, 1881a, p. 128; Destefani, 1917a, p. 153; Lichtenstein, 1880c, p. LXXXII.
Pistacia terebinthus, P. vera.

Pemphigus folliculoides Lichtenstein. Lichtenstein, 1880a, p. 98.
Pistacia terebinthus.

Pemphigus minor Derbes. Wilson, 1918a, p. 110.
Pistacia terebinthus.

Pemphigus minus Derbes. Zoological Record, 1869.
Pistacia.

Pemphigus pallidoides Lichtenstein. Lichtenstein, 1880a, p. 98.
Pistacia terebinthus.

Pemphigus riccobonii Destefani. Destefani, 1899a, p. 1; Mordvilko, 1928a, p. 359.
Pistacia atlantica.

Pemphigus semilunoides Lichtenstein. Lichtenstein, 1880a, p. 98.
Pistacia terebinthus.

Pemphigus utriculoides Lichtenstein. Lichtenstein, 1880a, p. 98.
Pistacia terebinthus.

Pentaphis trivialis Passerini. Mordvilko, 1928a, p. 359, 1935a, p. 135; Theobald, 1929a, p. 190.
Pistacia lentiscus, P. mutica, P. terebinthus.

Prociphilus bumeliae Schrank. Matsumura, 1917a, p. 88.
Rhus semialata.

Schlechtendalia chinensis (Bell) Lichtenstein. Mordvilko, 1935a, p. 136.
Rhus semialata.

Schlechtendalia intermedia Matsumura. Matsumura, 1917a, p. 65.
Rhus semialata.

Schlechtendalia mimifushi Matsumura. Monzen, 1929a.
Rhus semialata.

Schlechtendalia miyabei Matsumura. Takahashi, 1929b, p. 529.
Rhus semialata.

Schlechtendalia sinensis Walker. Wilson, 1918a, p. 157.
Rhus semialata.

Slavum lentiscoides Mordvilko. Mordvilko, 1928a, p. 359, 1935a, p. 223; Nevsky, 1929b, p. 391.
Pistacia mutica, P. vera.

Trifidaphis phaseoli Passerini. Mordvilko, 1928a, p. 359; Theobald, 1929a, p. 211.
Pistacia mutica, P. terebinthus.

CYRILLACEAE

CYRILLA FAMILY

Pergandeida nigra Wilson. Wilson, 1911a, p. 63.
Cyrilla racemiflora.

AQUIFOLIACEAE

HOLLY FAMILY

Aphis fabae Scopoli. Roepke, 1928a, p. 7.
Ilex aquifolium.

Aphis ilicis Kaltenbach. Börner, 1923a; Roepke, 1928a, p. 15; Theobald, 1927a, p. 108.
Ilex aquifolium.

Aphis rumicis Linnaeus. Van der Goot, 1915a, p. 225.
Ilex aquifolium. ("Sie liess sich nicht ubertragen auf . . . *Ilex aquifolium.*" Roepke, 1928a, p. 17.)

Aphis soyogo Uye. Uye, 1923a.
Ilex pedunculosa.

Toxoptera aurantiae Koch. Mason, 1921a, p. 24.
Ilex opaca.

CELASTRACEAE

STAFF TREE FAMILY

Amphorophora essigwanai Mason. Mason, 1925a, p. 29.
Euscaphis japonica.

Aphis bazzii Blanchard. Blanchard, 1923a, p. 29.
Evonymus.
Aphis celastrii Matsumura. Matsumura, 1917b, p. 385.
Celastrus articulatus.
Aphis evonymi Fabricius. Franssen, 1927a, p. 260; Roepke, 1928a, p. 20; Swain, 1919a, p. 168.
Evonymus, Maytenus.
Aphis fabae Scopoli. Franssen, 1927a, p. 260; Judenko, 1930a, p. 136; Mordvilko, 1928c, p. 580; Roepke, 1928a, p. 12.
Evonymus europaeus, E. japonicus, E. radicans.
Aphis hederae Kaltenbach. Zirnits, 1927a, p. 210.
Evonymus europaeus.
Aphis rumicis Linnaeus. Hottes, 1931b, p. 392, 393; Theobald, 1927a, p. 102.
Celastrus scandens, Evonymus alatus, E. atropurpureus, E. europaeus, E. verrucosus. ("Sie liess sich nicht ubertragen auf . . . *Evonymus europaeus.*" Roepke, 1928a, p. 17.)
Aphis spiraecola Patch. Hottes, 1931b, p. 222; Patch, 1923a, p. 51, 1929a, p. 699.
Celastrus scandens.
Macrosiphum nishikigi Shinji. Shinji, 1928c.
Evonymus japonicus.
Macrosiphum pisi Kaltenbach. Hottes, 1931b, p. 392.
Celastrus scandens.
Macrosiphum solanifolii Ashmead. Patch, 1921a, p. 329.
Celastrus scandens.
Myzus persicae Sulzer. Theobald, 1926a, p. 322.
Evonymus.
Rhopalosiphum magnoliae Essig and Kuwana. Takahashi, 1923a, p. 86.
Celastrus articulata.
Rhopalosiphum staphyleae Koch. Schouteden, 1906a, p. 236.
Evonymus.
Toxoptera aphoides van der Goot. Van der Goot, 1916a, p. 76.
Evonymus japonica.

STAPHYLEACEAE

BLADDER NUT FAMILY

Amphorophora essigwanai Mason. Mason, 1925a, p. 29.
Staphylea bumalda.
Amphorophora indicum van der Goot. Takahashi, 1923a, p. 87.
Staphylea bumalda.
Rhopalosiphum staphyleae Koch. Van der Goot, 1915a, p. 151.
Staphylea pinnata.

ACERACEAE
MAPLE FAMILY

APHIDINAE (APHIDINI):

Aphis acericola Walker. Wilson, 1918a, p. 28.
Acer pseudoplatanus.

Aphis aceriella Theobald. Theobald, 1929a, p. 345.
Acer campestre.

Aphis villosus Hartig. Wilson, 1918a, p. 177.
Acer.

Myzus gracilis Buckton. Theobald, 1926a, p. 342.
Acer pseudoplatanus.

Myzus persicae Sulzer. Gillette, 1908a, p. 35; Jones, 1929a, p. 54; Takahashi, 1931a, p. 69.
Acer negundo, A. nuttallii.

Myzus solani Kaltenbach. Bartholomew, 1932a, p. 727.
Acer negundo.

Siphocoryne acericola Matsumura. Matsumura, 1917b, p. 359.
Acer palmatum.

APHIDINAE (CALLIPTERINI):

Chaitophorinella kuwanaii Takahashi. Takahashi, 1919b, p. 176.
Acer pictum.

Chaitophorus coracinus Koch. Koch, 1857a, p. 2; Schouteden, 1906a, p. 213.
Acer pseudoplatanus.

Chaitophorus granulatus Koch. Koch, 1857a, p. 13.
Acer campestre.

Chaitophorus japonicus Baker. Baker, 1918a, p. 85.
Acer.

Chaitophorus viridis Matsumura. Matsumura, 1919a, p. 111.
Acer pictum.

Drepanaphis acerifoliae Thomas. Baker, 1923a, p. 286; Essig, 1917a, p. 322; Gillette, 1931a, p. 913; Hottes, 1931b, p. 389; Thomas, 1879a, p. 47.
Acer dasycarpum, A. platanoides, A. saccharinum, A. saccharum.

Drepanaphis keshenae Granovsky. Hottes, 1931b, p. 249.
Acer saccharum.

Drepanaphis monelli Davis. Hottes, 1931b, p. 249.
Acer saccharum.

Drepanaphis sauteri Takahashi. Takahashi, 1927a, p. 9.
Acer.

Drepanaphis tokyoensis Takahashi. Takahashi, 1923a, p. 67.
Acer.

Drepanosiphum acerina Walker. Van der Goot, 1915a, p. 282; Theobald, 1927a, p. 390.
Acer campestris, A. pseudoplatanus.

Drepanosiphum braggii Gillette. Gillette, 1931a, p. 915.
Acer negundo.

Drepanosiphum platanoides Schrank. Gillette, 1913a, p. 914; van der Goot, 1915a, p. 282; Theobald, 1927a, p. 390.
Acer campestris, A. platanoides, A. pseudoplatanus.
Euceraphis betulae Koch. Baker, 1917a, p. 425.
Japanese maple.
Periphyllus acerifoliae Takahashi. Hori, 1929b, p. 58; Takahashi, 1919b, p. 175.
Acer carpinifolium, A. palmatum.
Periphyllus aceris Koch. Baker, 1918a, p. 86; Buckton, 1879a, p. 126; van der Goot, 1915a, p. 371; Theobald, 1929a, p. 42.
Acer campestris, A. monspelliensis, A. platanoides, A. pseudoplatanus.
Periphyllus americanus Baker. Baker, 1917a, p. 428, 1918a, p. 86, 1923a, p. 285.
Acer circinatum, A. dasycarpum, A. saccharum.
Periphyllus brevispinosus Gillette and Palmer. Gillette, 1931a, p. 921.
Acer glabrum.
Periphyllus formosanus Takahashi. Takahashi, 1923a, p. 134.
Acer.
Periphyllus horridus Theobald. Theobald, 1929a, p. 45.
Acer pseudoplatanus.
Periphyllus lyropictus Kessler. Glendenning, 1929b, p. 55; van der Goot, 1915a, p. 373; Theobald, 1929a, p. 43.
Acer campestris, A. platanoides, A. pseudoplatanus.
Periphyllus negundinis Thomas. Gillette, 1931a, p. 924; Jones, 1929a, p. 27; Thomas, 1879a, p. 103.
Acer negundo, A. nuttallii, Negundo aceroides.
Periphyllus perforatus Signoret. Signoret, 1867c, p. 379 and Plate 10.
Acer campestris.
Periphyllus testudinatus Thornton. Roberts, 1929a, p. 355; Theobald, 1929a, p. 39.
Acer campestris, A. negundo, A. platanoides, A. pseudoplatanus.
Shenahweum minutum Davis. Davis, 1910c, p. 195; Hottes, 1931b, p. 268.
Acer saccharum.
Thomasia californiensis Shinji. Shinji, 1917a, p. 61.
Acer macrophyllum.

APHIDINAE (LACHNINI):
Longistigma caryae Harris. Wilson, 1909a, p. 385, 1923a, p. 257.
Acer saccharinum.
Stomaphis graffii Cholodkovsky. Cholodkovsky, 1894a, p. 400.
Acer campestris, A. tataricum.
Stomaphis longirostris Fabricius. Theobald, 1929a, p. 120.
Acer campestris, A. negundo.

ERIOSOMATINAE:
Neoprociphilus aceris Monell. Hottes, 1931b, p. 361.
Acer saccharum.

Prociphilus erigeronensis Thomas. Cutright, 1925a, p. 208.
Acer saccharinum.
Prociphilus tessellata Fitch. Hottes, 1931b, p. 373; Patch, 1908a, p. 484, 1911a, p. 246; Pergande, 1912a, p. 27.
Acer dasycarpum, A. eriocarpum, A. saccharinum.

SAPINDACEAE

SOAPBERRY FAMILY

Amphorophora essigwanai Mason. Mason, 1925a, p. 29.
Euscaphis japonica.
Aphis laburni Kaltenbach. Nevsky, 1929b, p. 185.
Aesculus hippocastanus.
Drepanaphis monelli Davis. Davis, 1909c, p. 197; Hottes, 1931b, p. 249.
Aesculus glabra.
Greenidea mangiferae Takahashi. Takahashi, 1931a, p. 28.
Euphoria longana.
Myzocallis insularis Takahashi. Takahashi, 1931a, p. 10.
Sapindus mukorossi.
Myzus circumflexus Buckton. Swain, 1919a, p. 159.
Aesculus.
Myzus persicae Sulzer. Essig, 1917a, p. 332.
Melianthus major.
Periphyllus acerifoliae Takahashi. Takahashi, 1919b, p. 175.
Aesculus.
Periphyllus aceris Koch. Buckton, 1879a, p. 126.
Aesculus parviflora.
Periphyllus koelreuteriae Takahashi. Takahashi, 1919b, p. 175, 1928a.
Koelreuteria macroculata, K. paniculata.
Prociphilus venafuscus Patch. Glendenning, 1920b, p. 57; Swain, 1919a, p. 146.
Aesculus.
Toxoptera aurantii Boyer. Van der Goot, 1916a, p. 295.
Nephelium lappaceum.

SABIACEAE

SABIA FAMILY

Greenidea taiwana Takahashi. Takahashi, 1923a, p. 115, 1925a, p. 57.
Meliosma rhoifolia, M. rigida.

BALSAMINACEAE

TOUCH-ME-NOT FAMILY

Aphis abbreviata Patch. Patch, 1924a, p. 37.
Impatiens biflora.

Aphis cephalanthi Thomas. Hottes, 1931b, p. 186, 394.
Impatiens biflora, I. fulva.
Aphis fabae Scopoli. Werder, 1931a, p. 82.
Impatiens roylei.
Aphis spiraecola Patch. Patch, 1923a, p. 51, 1929a, p. 699.
Impatiens balsamina.
Macrosiphoniella balsamines Kaltenbach. Nevsky, 1929b, p. 397; Theobald, 1926a, p. 169.
Impatiens noli-tangere, I. parviflora.
Macrosiphum fulvae Oestlund. Oestlund, 1887a, p. 80; Williams, 1910a, p. 79.
Impatiens fulva, I. pallida.
Macrosiphum impatiensicolens Patch. Patch, 1919b, p. 211.
Impatiens biflora.
Macrosiphum impatientis Williams. Williams, 1910a, p. 74.
Impatiens fulva, I. pallida.
Macrosiphum pseudorosae Patch. Hottes, 1931b, p. 318.
Impatiens.
Myzus impatiensae Monzen. Monzen, 1929a.
Impatiens noli-tangere, I. textori.

RHAMNACEAE

BUCKTHORN FAMILY

Acaudus rhamni Hori. Hori, 1927a, p. 191.
Rhamnus japonica.
Amphorophora ceanothi Bartholomew. Bartholomew, 1932a, p. 718.
Ceanothus.
Aphis abbreviata Patch. Patch, 1924a, p. 37.
Rhamnus alnifolia, R. cathartica.
Aphis cathartica Del Guercio. Wilson, 1918a, p. 53.
Rhamnus frangula.
Aphis ceanothi Clarke. Clarke, 1903a, p. 251; Davidson, 1909a, p. 302; Essig, 1917a, p. 338; Glendenning, 1929b, p. 55.
Ceanothus cuneatus, C. integerrimus, C. sanguineus, C. thyrsiflorus, Noltea africana.
Aphis ceanothi-hirsuti Essig. Gillette, 1932b, p. 389.
Ceanothus.
Aphis frangulae Kaltenbach. Theobald, 1927a, p. 203.
Frangula alnus, Rhamnus cathartica, R. frangula.
Aphis gossypii Glover. Essig, 1917a, p. 338.
Rhamnus purshiana.
Aphis paliuri Lichtenstein. Wilson, 1918a, p. 120.
Paliurus.
Aphis rhamni Boyer. Hottes, 1931b, p. 214; Theobald, 1927a, p. 201, 404; Werder, 1931a, p. 82.
Rhamnus cathartica, R. frangula, R. lanceolata, R. purshiana.

Aphis spiraecola Patch. Patch, 1923a, p. 51, 1929a, p. 699.
Rhamnus cathartica.
Aphis zizyphus Theobald. Hall, 1926a, p. 26.
Zizyphus spinachristi.
Macrosiphum rhamni Clarke. Clarke, 1903a, p. 254; Glendenning, 1929b, p. 56.
Rhamnus californica, R. purshiana.
Macrosiphum solanifolii Ashmead. Patch, 1921a, p. 329.
Ceanothus.
Neanuraphis catharticae Nevsky. Nevsky, 1929b, p. 118.
Rhamnus cathartica.
Toxoptera alaterna Del Guercio. Phillips, 1912a, p. 8.
Rhamnus alaternus.
Toxoptera variegata Del Guercio. Phillips, 1912a, p. 8.
Rhamnus alaternus.

VITACEAE

VINE FAMILY

APHIDINAE:
Amphorophora smilacis Matsumura. Hori, 1929b, p. 56.
Vitis vinifera.
Aphis ampelophila Del Guercio. Del Guercio, 1913f, p. 159.
Vitis.
Aphis fabae Scopoli. Franssen, 1927a, p. 261.
Vitis vinifera.
Aphis folsomii Davis. Davis, 1908b, p. 143; Hottes, 1931b, p. 194.
Parthenocissa quinquefolia, P. tricuspidata.
Aphis gossypii Glover. Blanchard, 1923a, p. 33; van der Goot, 1916a, p. 96.
Vitis trifoliata.
Aphis illinoisensis Shimer. Hottes, 1931b, p. 198; Wilson, 1918a, p. 91; Wolcott, 1922a.
Cissus ampelopsis, C. sicyoides, Vitis cordifolia, V. labrusca, V. vinifera, V. vulpina.
Aphis laburni Kaltenbach. Nevsky, 1929b, p. 403.
Vitis vinifera.
Aphis ripariae Oestlund. Oestlund, 1887a, p. 63.
Vitis riparia.
Aphis spiraecola Patch. Patch, 1923a, p. 51, 1929a, p. 699.
Ampelopsis quinquefolia.
Aphis vitis Scopoli. Kaltenbach, 1843a, p. 141.
Vitis vinifera.
Greenidea viticola Takahashi. Takahashi, 1931d, p. 31.
Vitis cantoniensis.
Hysteroneura setariae Thomas. Oestlund, 1887a, p. 68.
Ampelopsis quinquefolia.
Macrosiphum cissi Theobald. Theobald, 1920a, p. 65.
Cissus.

Macrosiphum solanifolii Ashmead. Patch, 1921a, p. 329.
Cissus arborea, Vitis.

ERIOSOMATINAE:

Geoica horvathi Nevsky. Nevsky, 1929a, p. 225.
Vitis vinifera.

Geoica lucifuga Zehntner. Nevsky, 1929b, p. 403.
Vitis vinifera.

Rhizoctonus ampelinus Mokrzecky. Baker, 1920a, p. 73.
Vitis vinifera.

Schizoneura ampelorhiza Del Guercio. Del Guercio, 1900a, p. 104.
Vitis vinifera.

PHYLLOXERIDAE:

Phylloxera pemphigoides Donnadieu. Wilson, 1918a, p. 124.
Vitis vinifera.

Phylloxera rutila Dreyfus. Wilson, 1918a, p. 124.
? Vitis vinifera.

Phylloxera vastatrix Planchon. Buckton, 1883a, p. 52, 57; Cornu, 1878a; Hori, 1929b, p. 56; Schneider-Orelli, 1924a, p. 10.
Vitis vinifera.

Phylloxera vitifoliae Fitch. Bioletti, 1921a; Börner, 1909c, p. 61, 1910c; Quaintance, 1920a, p. 36; Schneider-Orelli, 1924a, p. 10; Swain, 1919a, p. 152.
Vitis aestivalis, V. bourquiniana, V. candicans, V. champini, V. cordifolia, V. riparia, V. rupestris, V. vinifera. ("All species of vines except *V. rotundifolia* and *V. munsoniana.*" Bioletti, 1921a).

TILIACEAE

LINDEN FAMILY

Aphis adducta Walker. Wilson, 1918a, p. 29.
Tilia rubra.

Cervaphis schouteniae van der Goot. Van der Goot, 1916a, p. 152.
Schoutenia ovata.

Drepanosiphum platanoides Schrank. Werder, 1931a, p. 82.
Tilia cordata.

Drepanosiphum tiliae Koch. Koch, 1857a, p. 204.
Tilia grandifolia.

Eutrichosiphum lithocarpi Maki. Takahashi, 1931a, p. 34.
Elaeocarpus japonicus.

Longistigma caryae Harris. Hottes, 1931b, p. 159; Wilson, 1909a, p. 385.
Tilia americana.

Macrosiphum tiliae Monell. Davis, 1914a, p. 83; Hottes, 1931b, p. 331.
Tilia americana.

Pachypappella reaumuri Kaltenbach. Theobald, 1929a, p. 238.
Tilia argentea, T. europaea, T. grandifolia, T. parvifolia, T. platyphyllos.

Rhopalosiphum tiliae Matsumura. Matsumura, 1918a, p. 11.
Tilia japonica.

Therioaphis tiliae Linnaeus. Davis, 1909a, p. 33; Essig, 1917a, p. 323; Gillette, 1931a, p. 892; Theobald, 1927a, p. 370; Zirnits, 1927a, p. 249.
Tilia americana, T. cordata, T. grandifolia, T. platyphyllos, T. rubra, T. tomentosa, T. ulmifolia, T. vulgaris.

MALVACEAE

MALLOW FAMILY

APHIDINI:

Acyrthosiphon gossypii Mordvilko. Mordvilko, 1914a, p. 178; Nevsky, 1929b, p. 84.
Gossypium herbaceum, G. hirsutum, Malva rotundifolia.

Acyrthosiphon skrjabini Mordvilko. Mordvilko, 1914a, p. 181.
Malva neglecta.

Aphis abbreviata Patch. Patch, 1924a, p. 37.
Althaea rosea, Malva.

Aphis addita Walker. Wilson, 1918a, p. 29.
Malva sylvestris.

Aphis althaeae Nevsky. Nevsky, 1929a, p. 209, 1929b, p. 160.
Althaea nudiflora, A. pallida.

Aphis epilobii Kittel. Wilson, 1918a, p. 71.
Lavatera.

Aphis eupatorii Passerini. Del Guercio, 1911a, p. 297.
Malva.

Aphis evonymi Fabricius. Franssen, 1927a, p. 260; Nevsky, 1929b, p. 164; Swain, 1919a, p. 101.
Althaea rosea, Hibiscus moscheutos, Malva neglecta.

Aphis fabae Scopoli. Franssen, 1927a, p. 259, 260.
Althaea rosea, Hibiscus syriacus.

Aphis flava Nevsky. Nevsky, 1929a, p. 210, 1929b, p. 397; Yakhontov, 1930a.
Gossypium herbaceum, G. hirsutum.

Aphis gossypii Glover. Das, 1918a, p. 268, 272; Goff, 1932a, p. 10; van der Goot, 1916a, p. 95, 295; Hall, 1926a, p. 19; Hottes, 1931b, p. 196; Leonard, 1933a, p. 144; Mason, 1927a, p. 87; Nevsky, 1929b, p. 171, 393, 397; Olsen, 1921a, p. 17; Patch, 1925a, p. 189; Takahashi, 1923a, p. 97, 1925c, p. 5, 1931a, p. 45; Theobald, 1927a, p. 144; Yakhontov, 1930a.
Abelmoschus moschatus, Abutilon avicennae, Althaea nudiflora, A. officinalis, A. vasea, Eriodendron anfractuosum, Gossypium herbaceum, G. hirsutum, Hibiscus abelmoschus, H. eetveldeanus, H. esculentus, H. moschatus, H. rosa-sinensis, H. syriacus, H. tiliaceus, H. trionum, Malva alcea, M. parviflora, M. rotundifolia, M. sylvestris, Ochroma lagopoides, Psidium guajava, Sida acuta, Urena lobata.

Aphis helichrysi Kaltenbach. Gillette, 1932b, p. 405.
Malva rotundifolia.

Aphis laburni Kaltenbach. Nevsky, 1929b, p. 185; Theobald, 1927a, p. 124.
Gossypium herbaceum, Hibiscus syriacus, Malva rotundifolia.

Aphis lavaterae Kittel. Wilson, 1918a, p. 100.
Lavatera.

Aphis malvae Koch. Das, 1918a, p. 268, 271, 272; Ferrari, 1872a, p. 64; Del Guercio, 1911a, p. 298; Judenko, 1930a, p. 136; Nevsky, 1929b, p. 189; Passerini, 1863a, p. 251, 1863b, p. 36.
Abutilon indicum, Althaea narbonnensis, A. nudiflora, A. officinalis, A. rosae, A. vasea, Hibiscus canabis, H. esculentus, H. magnifica, Lavatera arborea, L. trimestris, Malva borealis, M. parviflora, M. rotundifolia, Malvastrum tricuspidatum.

Aphis malvae Walker. Buckton, 1879a, p. 43; Schouteden, 1906a, p. 222; Williams, 1910a, p. 50.
Althaea rosea, Hibiscus, Malva sylvestris.

Aphis medicaginis Koch. Essig, 1918a, p. 72; Jones, 1929a, p. 37; Wilson, 1918a, p. 109.
Gossypium herbaceum, Hibiscus syriacus, Malva, Sphaeralcea.

Aphis plantaginis Schrank. Wilson, 1918a, p. 132.
Gossypium herbaceum.

Aphis rumicis Linnaeus. Theobald, 1927a, p. 84.
Malva sylvestris.

Aphis senecio Swain. Swain, 1918b, p. 17.
Abutilon.

Aphis spiraecola Patch. Patch, 1923a, p. 51, 1929a, p. 699.
Malva rotundifolia.

Aphis urticae Fabricius. Bayer, 1914a, p. 111.
Malva rotundifolia.

Macrosiphum artemisiae Boyer. Ferrari, 1872a, p. 56.
Althaea officinalis.

Macrosiphum dahliafolii Theobald. Smee, 1930a.
Gossypium herbaceum.

Macrosiphum diplantereae Koch. Theobald, 1913b, p. 123.
Malva.

Macrosiphum malvae Mosley. Hottes, 1930a, p. 179; Theobald, 1913b, p. 150.
Malva sylvestris.

Macrosiphum malvicola Matsumura. Matsumura, 1917b, p. 393.
Malva rotundifolia.

Macrosiphum pelargonii Kaltenbach. Theobald, 1926a, p. 125.
Malva sylvestris.

Macrosiphum solanifolii Ashmead. Patch, 1921a, p. 329.
Althaea rosea, Gossypium herbaceum.

Macrosiphum urticae Schrank. Blanchard, 1922a, p. 196; Theobald, 1926a, p. 122.
Malva sylvestris.

Myzus circumflexus Buckton. Davis, 1914a, p. 122.
Malvastrum coccineum.

Myzus persicae Sulzer. Blanchard, 1922a, p. 213; Das, 1918a, p. 168; Essig, 1911d, p. 600, 1917a, p. 331; Gillette, 1908a, p. 35, 36; Hall, 1926a, p. 42; Mason, 1921a, p. 24; Takahashi, 1931a, p. 69; Theobald, 1926a, p. 323, 324.
Abelmoschus moschatus, Abutilon, Althaea rosea, Gossypium herbaceum, Hibiscus abelmoschus, H. esculentus, H. moschatus, H. roseus, Lavatera assurgentiflora, Malva parviflora, M. rotundifolia, M. sylvestris, Malvastrum coccineum.

Rhopalosiphum alboapicalis Theobald. Theobald, 1927a, p. 70.
Malva.

Toxoptera aphoides van der Goot. Van der Goot, 1916a, p. 75.
Hibiscus tiliaceus.

Toxoptera aurantii Boyer. Laing, 1927b.
Hibiscus tiliaceus.

Xerophilaphis plotnikovi Nevsky. Nevsky, 1928b, p. 13.
Gossypium herbaceum, G. hirsutum.

CALLIPTERINI:

Therioaphis ononidis Kaltenbach. Nevsky, 1929b, p. 318.
Gossypium hirsutum.

FORDINI:

Trifidaphis perniciosa Nevsky. Nevsky, 1929a, p. 227.
Gossypium herbaceum.

Trifidaphis phaseoli Passerini. Hall, 1926a, p. 47; Nevsky, 1929b, p. 397.
Gossypium herbaceum.

BOMBACACEAE

BOMBAX FAMILY

Aphis gossypii Glover. Mason, 1927a, p. 87.
Ochroma lagapoides.

STERCULIACEAE

STERCULIA FAMILY

Aphis gossypii Glover. Goff, 1932a, p. 10; van der Goot, 1916a, p. 96.
Riedlea corchorifolia, Theobroma cacao.

Cervaphis schouteniae van der Goot. Van der Goot, 1916a, p. 152.
Theobroma cacao.

Toxoptera aurantii Boyer. Van der Goot, 1915a, p. 79.
Theobroma cacao.

TERNSTROEMIACEAE

TEA OR CAMELLIA FAMILY

Aphis camellicola Del Guercio. Del Guercio, 1913f, p. 163.
Camellia.

Aphis soyogo Uye. Uye, 1923a.
Eurya japonica, Thea japonica.
Aulacorthum symplocois van der Goot. Van der Goot, 1916a, p. 293.
Eurya japonica.
Greenidea schimae Takahashi. Takahashi, 1929d, p. 529.
Schima.
Macrosiphoniella citricola van der Goot. Takahashi, 1931a, p. 74.
Thea japonica.
Toxoptera aurantii Boyer. Essig, 1917a, p. 330; Ferrari, 1872a, p. 62; van der Goot, 1916a, p. 78, 295; Phillips, 1912a, p. 8; Takahashi, 1931a, p. 50.
Camellia drupifera, C. japonica, C. thea, Schima noronhae, Thea caudata, T. chinensis.
Trichosiphum roepkei van der Goot. Van der Goot, 1918a, p. 117.
? Eurya.

GUTTIFERAE and HYPERICACEAE

SAINT JOHN'S-WORT FAMILY

Aphis chloris Koch. Macchiati, 1883a, p. 239; Nevsky, 1929b, p. 161; Werder, 1931a, p. 82.
Hypericum crispum, H. hyssopifolium, H. perforatum.
Aphis gossypii Glover. Goff, 1932a, p. 10.
Calophyllum inophyllum, Mammea americana.
Aphis maidi-radicis Forbes. Vickery, 1910a, p. 103.
Hypericum gentianoides.
Aphis papaveris Fabricius. Wilson, 1918a, p. 256.
Hypericum hirsutum, H. perforatum.
Aphis rumicis Linnaeus. Wilson, 1918a, p. 256.
Hypericum hirsutum, H. montanum, H. perforatum, H. quadrangulum.
Greenideoida ceyloniae van der Goot. Van der Goot, 1918c.
Mesua ferrea.
Hyalopterus hyperici Monell. Hottes, 1931b, p. 232; Monell, 1879a, p. 25.
Hypericum kalmianum, H. prolificum.
Macrosiphum solanifolii Ashmead. Patch, 1921a, p. 329.
Hypericum perforatum.
Myzus pseudosolani Theobald. Patch, 1928a, p. 56.
Hypericum perforatum.
Toxoptera aurantii Boyer. Leonard, 1933a; Wolcott, 1922a.
Calophyllum antillarum, Mammea americana.

TAMARICACEAE

TAMARISK FAMILY

Aphis fabae Scopoli. Franssen, 1927a, p. 261; Roepke, 1928a, p. 7.
Tamarix.

Aphis rumicis Linnaeus. Van der Goot, 1915a, p. 225.
Tamarix.
Aphis tamaricis Lichtenstein. Hall, 1926a, p. 32; Wilson, 1918a, p. 165.
Tamarix.
Brevicorynella quadrimaculata Nevsky. Nevsky, 1928b, p. 22.
Tamarix pallasii.
Pergandeidia tamaricifoliae Hall. Hall, 1926a, p. 31.
Tamarix.
Xerophilaphis tamaricophila Nevsky. Nevsky, 1928b, p. 8.
Tamarix.

CISTACEAE

ROCKROSE FAMILY

Aphis cisti Del Guercio. Del Guercio, 1911a, p. 297.
Cistus crispus, C. hirsutus.
Aphis cisti Lichtenstein. Wilson, 1918a, p. 57.
Cistus.
Aphis helianthemi Ferrari. Ferrari, 1872a, p. 65.
Helianthemum vulgare.
Myzus targionii Del Guercio. Wilson, 1918a, p. 166.
Cistus.

BIXACEAE

BIXA FAMILY

Macrosiphoniella citricola van der Goot. Van der Goot, 1916a, p. 36.
Bixa orellana.
Myzus circumflexus Buckton. Van der Goot, 1916a, p. 52.
Bixa orellana.
Toxoptera aurantii Boyer. Van der Goot, 1916a, p. 50.
Scolopia crenata.

VIOLACEAE

VIOLET FAMILY

Aphis abbreviata Patch. Patch, 1924a, p. 38.
Viola tricolor.
Aphis certa Walker. Theobald, 1929a, p. 63.
Viola tricolor.
Aphis gossypii Glover. Wilson, 1918a, p. 84.
Viola odorata.
Aphis malvacearum van der Goot. Das, 1918a, p. 273 and footnote p. 217.
Viola tricolor.
Aphis plantaginis Schrank. Theobald, 1927a, p. 131.
Viola.

Aphis violae Schouteden. Schouteden, 1906a, p. 229.
Viola tricolor.
Idiopterus nephrelepidis Davis. Essig, 1911c, p. 541; Theobald, 1926a, p. 359.
Viola.
Idiopterus violae Pergande. Hottes, 1931b, p. 292.
Viola.
Macrosiphum malvae Mosley. Macchiati, 1883a, p. 230; Passerini, 1863b, p. 14.
Viola odorata, V. tricolor.
Macrosiphum pelargonii Kaltenbach. Gaumont, 1929a, p. 275.
Viola.
Macrosiphum pisi Kaltenbach. Swain, 1919a, p. 176.
Viola.
Myzus circumflexus Buckton. Davis, 1914a, p. 122; Knowlton, 1929b, p. 10.
Viola nuttallii, V. tricolor.
Myzus ornatus Laing. Laing, 1932a, p. 52.
Viola.
Myzus persicae Sulzer. Gillette, 1908a, p. 36; Hall, 1926a, p. 42; Wilson, 1918a, p. 125.
Ionidum concolor, Viola odorata, V. tricolor.
Myzus pseudosolani Theobald. Patch, 1928a, p. 56.
Viola cucullata, V. tricolor.
Rhopalosiphoninus tulipaella Theobald. Theobald, 1926a, p. 222.
Viola.
Rhopalosiphum latysiphon Davidson. Glendenning, 1929b, p. 57.
Viola.
Saltusaphis insessa Walker. Theobald, 1929a, p. 63.
? Viola tricolor.

PASSIFLORACEAE

PASSION-FLOWER FAMILY

Aphis gossypii Glover. Hall, 1926a, p. 19.
Passiflora.

LOASACEAE

LOASA FAMILY

Macrosiphum mentzeliae Wilson. Wilson, 1915a, p. 99.
Mentzelia.

BEGONIACEAE

BEGONIA FAMILY

Aphis gossypii Glover. Patch, 1925b, p. 189.
Begonia semperflorens.

Aphis helichrysi Kaltenbach. Theobald, 1927a, p. 288.
Begonia.
Aulacorthum pseudorosaefolium Blanchard. Blanchard, 1922a, p. 201.
Begonia ("transitory invasion?")
Macrosiphum begoniae Schouteden. Schouteden, 1901a, p. 117.
Begonia.

CACTACEAE

CACTUS FAMILY

Aphis papaveris Fabricius. Macchiati, 1883a, p. 256.
Opuntia vulgaris.
Aphis rumicis Linnaeus. Wilson, 1918a, p. 279.
Opuntia ficus-indica.
Aphis spiraecola Patch. Miller, 1929a, p. 435.
Pereskia aculeata.
? Forda myrmecaria Boisduval. Wilson, 1918a, p. 112.
Cactus.
Myzus persicae Sulzer. Gillette, 1908a, p. 36.
Opuntia.
Pentalonia nigronervosa Coquerel. Hardy, 1932a.
Opuntia inermis.

THYMELAEACEAE

MEZEREUM FAMILY

Amphorophora hibernaculorum Boyer. Theobald, 1926a, p. 198; Werder, 1931a, p. 83.
Daphne indica, D. laureola, D. mezereum.
Aphis laburni Kaltenbach. Takahashi, 1931a, p. 46.
Wikstroemia indica.
Brevicoryne anthrisci Kaltenbach. Wilson, 1918a, p. 289.
Pimelea.
Macrosiphum gnidii Lichtenstein. Wilson, 1918a, p. 84.
Daphne.
Myzus persicae Sulzer. Wilson, 1918a, p. 289.
Pimelea.

ELAEAGNACEAE

OLEASTER FAMILY

Capitophorus archangelskii Nevsky. Nevsky, 1929b, p. 134.
Elaeagnus angustifolia, E. occidentalis.
Capitophorus braggii Gillette. Gillette, 1915b, p. 376, 1934a, p. 146; van der Goot, 1915a, p. 120; Hori, 1929b, p. 16; Patch, 1923b, p. 303; Takahashi, 1931a, p. 77; Theobald, 1926a, p. 240.

Elaeagnus angustifolia, E. argentea, E. longipes, E. multiflora, E. oldhami, Hippophae rhamnoides, Shepherdia arvensis.

Capitophorus elaeagni Del Guercio. Wilson, 1918a, p. 71.
Elaeagnus angustifolia, E. reflexa, Shepherdia argentea.

Capitophorus flaveolus Walker. Hottes, 1931b, p. 283.
Elaeagnus.

Capitophorus gillettei Theobald. Hottes, 1931b, p. 284; Nevsky, 1929b, p. 137; Theobald, 1926a, p. 240.
Elaeagnus angustifolia, E. occidentalis, Hippophae rhamnoides.

Capitophorus hippophaes Walker. Nevsky, 1929b, p. 135; Takahashi, 1930b; Theobald, 1926a, p. 237.
Elaeagnus occidentalis, E. pungens, Hippophae rhamnoides.

Capitophorus shepherdiae Gillette and Bragg. Gillette, 1916a, p. 445, 446, 1934a, p. 157.
Elaeagnus angustifolia, E. argentea, Hippophae rhamnoides.

Capitophorus similis van der Goot. Börner, 1921a.
Hippophae.

Capitophorus xanthii Oestlund. Gillette, 1934a, p. 159.
Hippophae rhamnoides.

Lachniella niitakayamensis Takahashi. Takahashi, 1931a, p. 24.
Elaeagnus oldhami.

LYTHRACEAE

LOOSESTRIFE FAMILY

Amphorophora magnoliae Essig and Kuwana. Takahashi, 1923a, p. 86.
Lagerstroemia indica.

Aphis durantae Theobald. Hall, 1926a, p. 15, 25.
Punica granatum.

Aphis gossypii Glover. Fullaway, 1910a, p. 40; Goff, 1932a, p. 10; van der Goot, 1916a, p. 96; Hall, 1926a, p. 19; Takahashi, 1931a, p. 45.
Cuphea micropetala, Lawsonia inermis, Punica granatum.

Aphis laburni Kaltenbach. Nevsky, 1929b, p. 185.
Punica granatum.

Aphis lagerstromiae Lichtenstein. Wilson, 1918a, p. 261.
Lagerstroemia indica.

Aphis malvae Koch. Das, 1918a, p. 274.
Woodfordia floribunda.

Aphis malvae Walker. Williams, 1891a, p. 8.
Cuphea platycentra.

Aphis punicae Passerini. Nevsky, 1929b, p. 199.
Punica granatum.

Aphis punicella Theobald. Hall, 1926a, p. 25.
Punica granatum.

Aphis salicariae Koch. Koch, 1857, p. 145.
Lythrum salicaria ("Weiderich").

Forda(?) myrmecaria Boisduval. Wilson, 1918a, p. 112.
Cuphea.
Greenidea tenuicorpus Okajima. Takahashi, 1923a, p. 117.
Lagerstroemia indica.
Macrosiphum malvae Mosley. Passerini, 1863b, p. 14.
Cuphea.
Myzaphis lythri Schrank. Van der Goot, 1915a, p. 185; Nevsky, 1929b, p. 398.
Lythrum salicaria.
Myzocallis kahawaluokalani Kirkaldy. Fullaway, 1910a, p. 43; Takahashi, 1931a, p. 84.
Lagerstroemia indica.
Myzus persicae Sulzer. Wilson, 1918a, p. 191.
Ammannia.
Rhopalosiphum nymphaeae Linnaeus. Williams, 1910a, p. 71.
Ammannia.

COMBRETACEAE

COMBRETUM FAMILY

Unipterus papillata Hall. Hall, 1932a, p. 51.
Combretum apiculatum.
Unipterus terminaliae Hall. Hall, 1932a, p. 50.
Terminalia sericea.

MYRTACEAE

MYRTLE FAMILY

Anomalaphis comperei Pergande. Baker, 1920a, p. 52.
Eucalyptus.
Aphis eugeniae van der Goot. Van der Goot, 1916a, p. 92.
Eugenia.
Aphis gossypii Glover. Van der Goot, 1916a, p. 95, 96; Hall, 1926a, p. 19; Takahashi, 1931a, p. 45.
Eucalyptus, Eugenia aquea, Psidium guacum, P. guajava.
Aphis spiraecola Patch. Miller, 1929a, p. 438.
Psidium guajava.
Greenidea formosana Maki. Takahashi, 1931a, p. 29.
Psidium guajava, Rhodomyrtus tomentosa.
Greenidea psidii van der Goot. Van der Goot, 1916a, p. 140.
Psidium guacum.
Macrosiphoniella citricola van der Goot. Van der Goot, 1916a, p. 36.
Eugenia densiflora.
Myzus circumflexus Buckton. McDaniel, 1931a, p. 51.
Myrtus.

Myzus persicae Sulzer. McDaniel, 1931a, p. 51; Takahashi, 1931a, p. 69; Wolcott, 1922a.
Myrtus, Pimento officinalis, Psidium guajava.
Toxoptera aurantiae Boyer. Mason, 1927a, p. 88.
Eugenia aquea.

MELASTOMACEAE
MELASTOMA FAMILY

Aphis gossypii Glover. Takahashi, 1931a, p. 45.
Melastoma candidum.

ONAGRACEAE
EVENING PRIMROSE FAMILY

APHIDINAE:
Anoecia oenotherae Wilson. Hottes, 1931b, p. 396; Sweetman, 1928a, p. 595.
Oenothera biennis.
Anoecia querci Fitch. Baker, 1916g, p. 363; Sweetman, 1928a, p. 595.
Oenothera biennis.
Anoecia setariae Gillette and Palmer. Hottes, 1931b, p. 151, 396.
Oenothera biennis.
Anuraphis cardui Linnaeus. Theobald, 1927a, p. 235.
Oenothera muricata.
Anuraphis myosotidis Koch. Del Guercio, 1911a, p. 297.
Epilobium.
Aphis abbreviata Patch. Patch, 1924a, p. 38.
Oenothera biennis.
Aphis despecta Walker. Theobald, 1927a, p. 216.
Epilobium.
Aphis diphaga Walker. Theobald, 1927a, p. 121.
Epilobium.
Aphis epilobiaria Walker. Theobald, 1927a, p. 185.
Epilobium angustifolium.
Aphis epilobii Kaltenbach. Cockerell, 1903d, p. 114; Theobald, 1927a, p. 112.
Epilobium angustifolium, E. montanum, E. pubescens.
Aphis epilobii Kittel. Wilson, 1918a, p. 71.
Epilobium molle, E. palustre.
Aphis epilobiina Walker. Theobald, 1927a, p. 211.
Epilobium angustifolium.
Aphis gossypii Glover. Patch, 1925b, p. 189.
Oenothera biennis.
Aphis instabilis Buckton. Theobald, 1927a, p. 215.
Epilobium montanum, E. parvifolium.
Aphis malvae Walker. Buckton, 1879a, p. 43.
Epilobium.
Aphis medicaginis Koch. Gillette, 1932b, p. 417.
Gaura coccinea.

Aphis oenotherae Oestlund. Clarke, 1903a, p. 252; Cowen, 1895a, p. 121; Essig, 1917a, p. 341; Gillette, 1927a, p. 346; Williams, 1910a, p. 53.
Epilobium adenocaulon, E. angustifolium, Oenothera bectiana, O. biennis, O. caespitosa, O. grandiflora, O. serrulata.

Aphis oestlundi Gillette. Gillette, 1927a, p. 345.
Oenothera biennis.

Aphis penicillata Buckton. Theobald, 1927a, p. 212.
Epilobium montana.

Aphis plantaginis Schrank. Passerini, 1863a, p. 160.
Epilobium dodonaei.

Aphis pollinosa Walker. Theobald, 1927a, p. 217.
Epilobium.

Aphis pomi DeGeer. Takahashi, 1923a, p. 163, 1931a, p. 44.
Jussiaea erecta, J. suffruticosa.

Aphis praeterita Walker. Theobald, 1927a, p. 154.
Epilobium.

Aphis rumicis Linnaeus. Wilson, 1918a, p. 237.
Epilobium alsinifolium.

Aphis sanborni Patch. Patch, 1927a, p. 6.
Epilobium adenocaulon, E. coloratum, E. lineare.

Aphis tincta Walker. Theobald, 1927a, p. 209.
Epilobium montanum.

Aphis triphaga Walker. Theobald, 1927a, p. 309.
Epilobium.

Aphis varians Patch. Patch, 1927a, p. 4.
Epilobium angustifolium, E. coloratum.

Aphis virgata Del Guercio. Del Guercio, 1911a, p. 297.
Epilobium virgatum.

Macrosiphum ambrosiae Thomas. Hottes, 1931b, p. 396.
Oenothera biennis.

Macrosiphum epilobii Pergande. Gillette, 1934a, p. 177; Pergande, 1900b, p. 124.
Chamaenerium angustifolium, Epilobium.

Macrosiphum epilobii Theobald. Jackson, 1919a, p. 157.
Epilobium.

Macrosiphum fuscicornus Macdougall. Macdougall, 1926b.
Epilobium angustifolium.

Macrosiphum gaurae Williams. Gillette, 1934a, p. 181; Williams, 1910a, p. 80.
Gaura parviflora, Oenothera biennis.

Macrosiphum gaurina Williams. Williams, 1910a, p. 80.
Gaura parviflora.

Macrosiphum gei Koch. Theobald, 1926a, p. 111.
Epilobium angustifolium, E. montanum.

Macrosiphum onagrae Patch. Patch, 1919b, p. 212.
Oenothera biennis.

Macrosiphum pseudorosae Patch. Hottes, 1931b, p. 318.
Gaura biennis, Oenothera biennis.

Macrosiphum solanifolii Ashmead. Gillette, 1934a, p. 196; Patch, 1921a, p. 329.
Chamaenerium, Fuchsia.
Macrosiphum ulmariae Schrank. Van der Goot, 1915a, p. 104.
Epilobium montanum.
Macrosiphum valerianae Clarke. Gillette, 1934a, p. 200.
Chamaenerium angustifolium.
Myzus biennis Sanborn. Sanborn, 1904a, p. 78.
Oenothera biennis.
Myzus circumflexus Buckton. Hottes, 1931b, p. 336.
Fuchsia.
Myzus godetiae Shinji. Shinji, 1917b, p. 49.
Oenothera amoena.
Myzus mahaleb Koch. Gillette, 1934a, p. 203.
Epilobium adenocaulon.
Myzus oenotherae Williams. Jones, 1929a, p. 38; Williams, 1910a, p. 65.
Oenothera biennis, O. subulifera.
Myzus persicae Sulzer. Essig, 1917a, p. 331; Hall, 1926a, p. 42; Lambers, 1931d, p. 5; Wilson, 1918a, p. 245.
Clarkia elegans, C. pulchella, Fuchsia coccinea, F. globosa, F. macrantha.
Myzus pseudosolani Theobald. Patch, 1928a, p. 56.
Oenothera biennis.
Rhopalosiphum nymphaeae Linnaeus. Passerini, 1863a, p. 342.
Trapa natans.

ERIOSOMATINAE:
Forda (?) myrmecaria Boisduval. Wilson, 1918a, p. 112.
Fuchsia.
Pemphigus oenotherae Williams. Wilson, 1918a, p. 118.
Oenothera biennis.

HALORAGIDACEAE

WATER MILFOIL FAMILY

Rhopalosiphum nymphaeae Linnaeus. Davis, 1910a, p. 245; Judenko, 1930a, p. 136.
Hippuris vulgaris, Myriophyllum verticillatum.

ARALIACEAE

GINSENG FAMILY

APHIDINAE:
Anuraphis angelicae Koch. Theobald, 1927a, p. 232.
Hedera helix.
Aphis acanthopanaci Matsumura. Matsumura, 1917b, p. 384.
Acanthopanax ricinifolium.

Aphis aralia-hispida Rafinesque. Rafinesque, 1817a, p. 360; Wilson, 1918a, p. 194.
Aralia hispida.
Aphis borneri Franssen. Roepke, 1928a, p. 23.
Hedera helix.
Aphis gossypii Glover. Van der Goot, 1916a, p. 95; Takahashi, 1923a, p. 97, 1931a, p. 45.
Acanthopanax aculeatum, A. trifoliatum, Heptapleurum venulosum.
Aphis hederae Kaltenbach. Roepke, 1928a, p. 18; Theobald, 1927a, p. 110.
Aralia, Hedera helix.
Aphis hederella Theobald. Theobald, 1915a, p. 119.
Hedera helix.
Aphis odinae van der Goot. Van der Goot, 1916a, p. 296; Hori, 1929b, p. 50; Takahashi, 1931a, p. 49.
Agalma lutchuense, Aralia cordata, Panax.
Aphis pseudohederae Theobald. Theobald, 1927a, p. 197.
Hedera helix.
Aphis rumicis Linnaeus. Patch, 1923b, p. 296; Theobald, 1927a, p. 102.
Aralia, Hedera helix.
Aphis somei Essig and Kuwana. Takahashi, 1921a, p. 58.
Heptapleurum octophyllum.
Aphis spiraecola Patch. Patch, 1923a, p. 51, 1929a, p. 699.
Aralia racemosa.
Cavariella araliae Takahashi. Takahashi, 1930b, 1931a, p. 54.
Agalma lutchuense, Aralia spinosa, Heptapleurum arboricolum.
Longiunguis spathodeae van der Goot. Van der Goot, 1918c.
Panax.
Macrosiphum hederae Theobald. Theobald, 1915a, p. 109.
Hedera helix.
Myzus persicae Sulzer. Essig, 1911d, p. 600.
Hedera helix.
Myzus pseudosolani Theobald. Patch, 1928a, p. 56.
Aralia hispida.
Pergandeidea kalopanacis Hori. Hori, 1927a, p. 201.
Kalopanax ricinifolius.
Rhopalosiphoninus waltoni Theobald. Theobald, 1927a, p. 197.
Hedera helix.
Toxoptera aurantii Boyer. Van der Goot, 1916a, p. 295.
Panax.

ERIOSOMATINAE:
Pemphigus hederae Horvath. Wilson, 1918a, p. 87.
Hedera helix.

UMBELLIFERAE

PARSLEY FAMILY

APHIDINAE (APHIDINI):

Acyrthosiphon navozovi Mordvilko. Mordvilko, 1914a, p. 196.
Umbelliferae.

Amphorophora cicutae Shinji. Mason, 1925a, p. 15.
Cicuta virosa.

Anuraphis angelicae Koch. Theobald, 1927a, p. 232.
Angelica sylvestris, Cicuta virosa.

Anuraphis apiifolia Theobald. Hall, 1926a, p. 8; Theobald, 1922e, p. 60.
Apium graveolens, Foeniculum vulgare.

Anuraphis crithmi Buckton. Theobald, 1927a, p. 405.
Crithmum maritimum.

Anuraphis dauci Fabricius. Lambers, 1931d, p. 4; Theobald, 1927a, p. 245.
Daucus carota, Heracleum spondylium.

Anuraphis foeniculus Theobald. Hall, 1926a, p. 10.
Anethum, Foeniculum.

Anuraphis inculta Walker. Theobald, 1927a, p. 288.
Apium graveolens.

Anuraphis lappae Koch. Theobald, 1927a, p. 262.
Daucus carota.

Anuraphis subterranea Walker. Theobald, 1927a, p. 224.
Pastinaca sativa, Pimpinella nigra, P. saxifraga.

Anuraphis tulipae Boyer. Gould, 1930a, p. 829; Hottes, 1931b, p. 222; Ogilvie, 1928a, p. 22; Theobald, 1927a, p. 241.
Apium graveolens, Daucus carota, Pastinaca sativa, Petroselinum hortense.

Aphis abbreviata Patch. Patch, 1924a, p. 38.
Pastinaca sativa.

Aphis adjecta Walker. Jackson, 1919a, p. 160.
Eryngium alpinum.

Aphis apii Theobald. Theobald, 1927a, p. 183.
Apium graveolens.

Aphis archangelicae Scopoli. Wilson, 1918a, p. 36.
Angelica archangelica, Archangelica.

Aphis avenae Fabricius. Pergande, 1904a, p. 8.
Apium graveolens.

Aphis buxtoni Theobald. Theobald, 1920b, p. 153.
Umbelliferae.

Aphis cari Essig. Essig, 1917a, p. 320.
Angelica tomentosa, Carum kelloggii.

Aphis chaerophilli Koch. Koch, 1857a, p. 80.
Chaerophyllum temulum.

Aphis cornifoliae Fitch. Swain, 1919a, p. 100.
Sanicula menziesii.

Aphis decepta Hottes and Frison. Hottes, 1931b, p. 193.
Pastinaca sativa.

Aphis dispar Walker. Walker, 1848c, p. 2251.
Eryngium.

Aphis diversa Walker. Walker, 1848c, p. 2251.
Eryngium.

Aphis eryngii Blanchard. Blanchard, 1923a, p. 31.
Eryngium paniculatum.

Aphis fabae Scopoli. Franssen, 1927a, p. 259, 260, 261; Werder, 1931a, p. 83.
Aethusa cynapium, Anthriscus cerefolium, Apium graveolens, Daucus carota, Heracleum sphondylium, Pastinaca sativa, Sium sisarum, Torilis.

Aphis gossypii Glover. Hottes, 1931b, p. 389; Patch, 1925b, p. 190.
Apium graveolens.

Aphis heraclei Koch. Jones, 1929a, p. 44; Theobald, 1927a, p. 302; Wilson, 1918a, p. 88.
Aethusa cynapium, Apium graveolens, Daucus carota, Heracleum lanatum, H. sphondylium.

Aphis heraclella Davis. Gillette, 1932b, p. 406.
Apium graveolens, Cicuta occidentalis, Heracleum lanatum, Pastinaca sativa.

Aphis jacobaeae Schrank. Zirnits, 1927a, p. 210.
Pimpinella saxifraga.

Aphis laburni Kaltenbach. Nevsky, 1929b, p. 182, 402.
Torilis leptophylla.

Aphis ligustici Fabricius. Kaltenbach, 1843a, p. 140.
Ligusticum scoticum.

Aphis luridus Hottes and Frison. Hottes, 1931b, p. 201.
Zizia aurea.

Aphis mordwilkoi Börner and Janisch. Börner, 1922a; Theobald, 1927a, p. 105.
Umbelliferae.

Aphis oenanthis Lichtenstein. Wilson, 1918a, p. 117.
Oenanthe.

Aphis papaveris Fabricius. Kaltenbach, 1843a, p. 83, 1874a, p. 269, 275, 288; Koch, 1857a, p. 130; Macchiati, 1883a; Passerini, 1863b, p. 46; Wilson, 1918a, p. 122.
Aegopodium podagraria, Aethusa, Anthriscus, Daucus carota, Eryngium campestre, E. planum, Oenanthe, Peucedanum alsaticum, Scandix pecten-veneris, Torilis anthriscus.

? Aphis pentstemonis Williams. Williams, 1910a, p. 54.
Musenium tenuifolium.

Aphis pimpinellae Kaltenbach. Kaltenbach, 1843a, p. 105.
Pimpinella magna, P. saxifraga.

Aphis plantaginis Schrank. Theobald, 1927a, p. 131.
Daucus carota.

Aphis podagrariae Schrank. Roepke, 1928a, p. 24.
Aegopodium podagraria.

Aphis robusta Walker. Theobald, 1927a, p. 309.
Pastinaca sativa.

Aphis rumicis Linnaeus. Buckton, 1879a, p. 84; van der Goot, 1915a, p. 225; Hottes, 1931b, p. 396; Theobald, 1927a, p. 102; Walker, 1850a, p. 19; Zirnits, 1927a, p. 245.
Aegopodium, Aethusa, Angelica rumicis, Anthriscus vulgaris, Conium album, C. maculatum, Daucus carota, Eryngium campestre, Heracleum sphondylium, Libanotis montana, Pastinaca sativa, Petroselinum hortense, Peucedanum alsaticum, P. palustre, P. typherr, Pimpinella magna, Sium latifolium.

Aphis saliceti Kaltenbach. Patch, 1917a, p. 417–418, 1923b, p. 296.
Foeniculum vulgare, Heracleum lanatum, Pastinaca sativa.

Aphis saniculae Williams. Williams, 1910a, p. 56.
Sanicula canadensis.

Aphis seselii Lichtenstein. (no description). Wilson, 1918a, p. 156.
Seseli.

Aphis signatis Hottes and Frison. Hottes, 1931b, p. 220.
Angelica, Sanicula, Zizia aurea.

Aphis sii Koch. Koch, 1857a, p. 137.
Sium falcatum.

Aphis spiraecola Patch. Hottes, 1931b, p. 222; Patch, 1923a, p. 51, 1929a, p. 699.
Daucus carota, Pastinaca sativa.

Aphis thaspii Oestlund. Oestlund, 1887a, p. 58.
Thaspium aureum.

Aphis theobaldi Gillette and Bragg. Gillette, 1918a, p. 93.
Apium graveolens, Heracleum.

Brachycolus cervariaen Börner. Börner, 1932b.
Peucedanum cervaria.

Brachycolus heraclei Takahashi. Okamoto, 1927a, p. 139; Takahashi, 1931a, p. 37.
Apium graveolens, Coriandrum sativum, Cryptotaenia canadensis, C. japonica. Heracleum.

Brevicoryne anthrisci Kaltenbach. Kaltenbach, 1843a, p. 112, 1874a, p. 273; Mordvilko, 1924d; Nevsky, 1929b, p. 222, 402.
Aegopodium podagraria, Anethum graveolens, Anthriscus sylvestris, A. vulgaris, Chaerophyllum tremulum, Daucus carota, Pimpinella magna, P. saxifraga, Tortilis anthriscus, T. leptophylla.

Brevicoryne coriandri Das. Das, 1918a, p. 269, 270; George, 1928a.
Carum caraway, Coriandrum, Daucus carota, Foeniculum vulgare.

Cavariella aegopodii Scopoli. Cottier, 1935a, p. 230; Nevsky, 1929b, p. 220; Theobald, 1927a, p. 5, 10.
Aciphylla, Aegopodium podagraria, Anethum graveolens, Angelica, Apium graveolens, Carum carvi, Chaerophyllum, Cicuta, Conium, Daucus carota, Foeniculum vulgare, Pastinaca sativa, Petroselium.

Cavariella bicaudata Essig and Kuwana. Hori, 1929b, p. 49; Okamoto, 1927a, p. 136.
Cryptotaenia canadensis, Sium cicutaefolium.

Cavariella capreae Fabricius. Essig, 1917a, p. 342; Gillette, 1932b, p. 466; van der Goot, 1915a, p. 163; Gould, 1930a, p. 829; Hall, 1926a, p. 28; Kaltenbach, 1843a, p. 110; Swain, 1919a, p. 132, 171; Theobald, 1927a, p. 8, 183; Zirnits, 1927a, p. 208.

Aegopodium podagraria, Anethum foeniculum, A. graveolens, Angelica atropurpurea, A. sylvestris, Apium graveolens, A. nodiflorum, Berula erecta, Carum carum, C. kelloggii, C. petroselinum, Caucalis anthriscus, Chaerophyllum sylvestris, C. tremulum, Cicuta, Conium maculatum, Daucus carota, Foeniculum vulgare, Heracleum lanatum, H. sphondylium, Ligusticum porteri, Oenanthe crocata, Pastinaca sativa, Petroselinum hortense, Peucedanum alsaticum, P. officinale, Pimpinella, Zizia aurea.

Cavariella gigliolii Del Guercio. Del Guercio, 1911a, p. 327.

Angelica sylvestris.

Cavariella pastinacae Linnaeus. Buckton, 1879a, p. 24; Gillette, 1932b, p. 466; Theobald, 1927a, p. 14; Wilson, 1918a, p. 123.

Apium graveolens, Cicuta virosa, Conium maculatum, Daucus carota, Foeniculum vulgare, Heracleum lanatum, Pastinaca sativa, Pimpinella magna, P. saxifraga, Zizia aurea.

Cavariella umbellatarum Koch. Theobald, 1911b, 1927a, p. 16.

Heracleum sphondylium, Oenanthe crocata.

Dentatus crataegi Kaltenbach. Mordvilko, 1935a, p. 303; Nevsky, 1929b, p. 295.

Aethusa, Daucus carota.

Dentatus ferulae Nevsky. Nevsky, 1929b, p. 296.

Ferula karatavica, F. prangifolia.

Hyadaphis apii Hall. Hall, 1926a, p. 29.

Apium graveolens.

Hyadaphis coniellum Theobald. Theobald, 1927a, p. 57.

Conium maculatum.

Hyadaphis essigi Gillette and Bragg. Gillette, 1918a, p. 93, 94, 1932b, p. 467; Theobald, 1927a, p. 54.

Heracleum lanatum.

Hyadaphis schranki Lambers. Lambers, 1931d, p. 4.

Heracleum sphondylium.

Hyadaphis xylostei Schrank. Davidson, 1914a, p. 134; Zirnits, 1927a, p. 208.

Carum carvi, Conium maculatum.

Hyalopterus albus Monzen. Monzen, 1929a, p. 47.

Ligusticum acutilobum.

Hyalopterus cari Theobald. Theobald, 1929c, p. 179.

Carum copticum.

Hyalopterus obscurus Theobald. Hall, 1926a, p. 30.

Anethum, Coriandrum sativum, Daucus carota, Foeniculum vulgare, Pithyranthus tortuosus.

Hyalopterus peucedani Hall. Hall, 1932a, p. 54.

Peucedanum fraxinifolium.

Hyalopterus spondylii Koch. Koch, 1857a, p. 18.

Heracleum sphondylium.

Macrosiphum corallinum Theobald. Theobald, 1926a, p. 108.
"A wild Umbillifer."
Macrosiphum cucurbitae Del Guercio. Wilson, 1918a, p. 66.
? Angelica archangelica, A. sylvestris, Conium maculatum.
Macrosiphum gei Koch. Hottes, 1931b, p. 389, 392, 396.
Apium graveolens, Cryptotaenia canadensis, Pastinaca sativa.
Macrosiphum martini Cockerell. Cockerell, 1903b, p. 171.
Ligusticum.
Macrosiphum rushkovskii Mordvilko. Mordvilko, 1919a.
Bupleurum.
Macrosiphum solanifolii Ashmead. Gould, 1930a, p. 816.
Apium graveolens.
Macrosiphum ulmariae Schrank. Van der Goot, 1915a, p. 104.
Anthriscus sylvestris.
Metaphis angelicae Matsumura. Matsumura, 1918a, p. 2.
Angelica ursina.
Miraphis agabiformis Nevsky. Nevsky, 1928b, p. 26.
Bupleurum linearifolium.
Myzus ferulaginis Macchiati. Lichtenstein, Flore Supplement.
Ferula.
Myzus hydrocotylei Theobald. Theobald, 1926a, p. 334.
Hydrocotyle vulgaris.
Myzus lactucae Schrank. Hottes, 1931b, p. 339, 389.
Apium graveolens.
Myzus lycopersici Clarke. Davis, 1914a, p. 134.
Apium graveolens.
Myzus persicae Sulzer. Gould, 1930a, p. 814; Hall, 1926a, p. 42; Horsfall, 1924a, p. 4; Hottes, 1931b, p. 340; Mason, 1921a, p. 24; Wilson, 1918a, p. 125.
Apium graveolens, Chaerophyllum aromaticum, C. hirsutum, C. roseum, Daucus carota, Pastinaca sativa, Sanicula menziesii.
Myzus pseudosolani Theobald. Patch, 1928a, p. 56.
Apium graveolens, Chaerophyllum, Sium circutaefolium.
Myzus solani Kaltenbach. Bartholomew, 1932a, p. 727.
Conium.
Phorodon galeopsidis Kaltenbach. Wilson, 1918a, p. 81.
Heracleum sphondylium.
Rhopalosiphum foeniculi Passerini. Clarke, 1903a, p. 252; Passerini, 1860a, p. 37; Theobald, 1927a, p. 78.
Conium maculatum, Daucus carota, Foeniculum vulgare, Pastinaca sativa.
Rhopalosiphum melliferum Hottes. Gillette, 1932b, p. 484; Hottes, 1931b, p. 238, 393.
Berula erecta, Conioselinum chinense, Cryptotaenia canadensis, Daucus carota, Heracleum lanatum, Pastinaca sativa.
Rhopalosiphum nymphaeae Linnaeus. Gillette, 1932b, p. 480; Knowlton, 1935d, p. 193; Theobald, 1927a, p. 64; Wilson, 1918a, p. 116.
Berula erecta, Cicuta occidentalis, C. virosa, Hydrocotyle vulgaris.

Semiaphis carotae Koch. Zirnits, 1927a, p. 247, 248.
Aegopodium podagraria, Daucus carota.
Siphocoryne angelicae Del Guercio. Del Guercio, 1911a, p. 298.
Angelica sylvestris.
Siphocoryne archangelicae Oestlund. Oestlund, 1887a, p. 70.
Archangelica atropurpurea.
Siphocoryne japonica Essig and Kuwana. Essig, 1918a, p. 66.
Angelica polymorpha.
Xerophilaphis peucedani Nevsky. Nevsky, 1928b, p. 14.
Peucedanum pseudoreoselinum.

APHIDINAE (CALLIPTERINI and THELAXINI):
Euceraphis betulae Linnaeus. Zirnits, 1927a, p. 250.
Aegopodium podograria (accidental?)
Vacuna ferulae Macchiati. Lichtenstein, Flore Supplement.
Ferula.

ERIOSOMATINAE:
Forda dauci Goureau. Goureau, 1867a, p. 89.
Daucus carota.
Pemphigus bursarius Linnaeus. Theobald, 1929a, p. 249; Zirnits, 1927a, p. 253.
Aegopodium podagraria, Daucus carota.
Pemphigus lactucae Fitch. Cutright, 1925a, p. 201.
Cicuta maculata, Cryptotaenia canadensis.
Trifidaphis phaseoli Passerini. Cutright, 1933a, p. 509; Mordvilko, 1935a, p. 196.
Daucus carota, Hydrocotyle.

CORNACEAE

DOGWOOD FAMILY

APHIDINAE (APHIDINI):
Aphis caliginosa Hottes and Frison. Hottes, 1931b, p. 183.
Cornus.
Aphis coreopsidis Thomas. Hottes, 1931b, p. 188.
Nyssa sylvatica.
Aphis cornifila Del Guercio. Del Guercio, 1911a, p. 297.
Cornus.
Aphis cornifoliae Fitch. Gillette, 1932b, p. 394; Hottes, 1931b, p. 190; Monell, 1879a, p. 25; Thomas, 1879a, p. 101; Weed, 1888a, p. 123.
Cornus amomum, C. florida, C. paniculata, C. sanguinea, Cornus stolonifera.
Aphis cornus-stricta Rafinesque. Hottes, 1931a, p. 65.
Cornus stricta.
Aphis gossypii Glover. Pergande, 1895a, p. 314.
Cornus mas.

Aphis helianthi Monell. Gillette, 1932b, p. 403; Hottes, 1931b, p. 197; Jones, 1929a, p. 26.
Cornus mas, C. sanguinea, C. stolonifera.

Aphis maculatae Oestlund. Gillette, 1932b, p. 413; Oestlund, 1922a, p. 126; Williams, 1891a, p. 10.
Svida stolonifera, Cornus paniculata.

Aphis spiraecola Patch. Hottes, 1931b, p. 392; Patch, 1923a, p. 51, 1929a, p. 699.
Cornus amomum, C. sericea, C. stolonifera, C. stricta.

Macrosiphum aucubae Bartholomew. Bartholomew, 1932a, p. 725.
Aucuba.

Macrosiphum cornifoliae Shinji. Shinji, 1927a, p. 63–66.
(Host plant not given, but the name indicates *Cornus.*)

Macrosiphum solanifolii Ashmead. Gillette, 1934a, p. 196.
Cornus.

Myzus pseudosolani Theobald. Patch, 1928a, p. 56.
Cornus stolonifera.

Pergandeidia corni Tissot. Tissot, 1929a, p. 2.
Cornus microcarpa.

Siphocoryne cornicolum Matsumura. Matsumura, 1918a, p. 6.
Cornus controversa.

APHIDINAE (LACHNINI and THELAXINI):

Anoecia corni Fabricius. Cutright, 1925a, p. 185; Gillette, 1931a, p. 832; Hori, 1929b, p. 16; Lambers, 1931d, p. 6; Matsumura, 1917a, p. 45; Mordvilko, 1931a, p. 874; Sanborn, 1906a, p. 273; Wilson, 1923a, p. 259.
Cornus alba, C. asperifolia, C. controversa, C. femina, C. florida, C. macrophylla, C. mas, C. paniculata, C. sanguinea, C. stolonifera.

Anoecia cornicola Walsh. Mordvilko, 1931a, p. 876.
Cornus stolonifera.

Anoecia pskovica Mordvilko. Mordvilko, 1935a, p. 279.
(*Cornus* ?)

Anoecia querci Fitch. Baker, 1916g, p. 359; Cutright, 1925a, p. 188; Gillette, 1931a, p. 834.
Cornus amomum, C. florida, C. paniculata, C. sanguinea, C. stolonifera.

Anoecia viridis Börner. Mordvilko, 1931a, p. 872.
Cornus sanguinea.

Vacuna dryophila Schrank. Wilson, 1918a, p. 70.
Cornus sanguinea.

PHYLLOXERIDAE:

Phylloxera nyssae Pergande. Pergande, 1904b, p. 270.
Nyssa sylvatica.

ERICACEAE

HEATH FAMILY

APHIDINAE (APHIDINI):

Akkaia polygoni Takahashi. Shinji, 1932a.
Rhododendron.

Amphorophora azaleae Mason. Mason, 1925a, p. 12.
Azalea indica.

Amphorophora borealis Mason. Mason, 1925a, p. 13.
Gaultheria procumbens.

Amphorophora mitchelli Mason. Mason, 1925a, p. 36.
Rhododendron.

Amphorophora nervata Gillette. Hottes, 1931b, p. 277; Mason, 1925a, p. 46.
Arbutus menzeisii, A. unedo, Arctostaphylos manzanita, A. uva-ursi.

Amphorophora rhododendronia Mason. Mason, 1925a, p. 51.
Rhododendron rhodora.

Amphorophora vaccinii Mason. Hottes, 1931b, p. 280; Mason, 1925a, p. 70.
Vaccinium corymbosum, V. stamineum, V. vacillans.

Anuraphis madronae Essig. Essig, 1926a, p. 42.
Arbutus menziesii.

Aphis arbuti Ferrari. Wilson, 1918a, p. 36.
? Arbutus unedo.

Aphis callunae Theobald. Theobald, 1927a, p. 189.
Calluna vulgaris.

Aphis ericae Walker. Theobald, 1927a, p. 189.
Erica.

Aphis rumicis Linnaeus. Wilson, 1918a, p. 238.
Erica gracilis.

Macrosiphum itoe Takahashi. Takahashi, 1931a, p. 60.
Rhododendron lasiostylum.

Macrosiphum nasonovi Mordvilko. Mordvilko, 1919a, p. 493; Zirnits, 1930b, p. 50–51.
Andromeda polifolia, Chamaedaphne calyculata, Vaccinium oxycoccus, V. ulignosum.

Macrosiphum rhododendri Wilson. Wilson, 1918b, p. 230.
Rhododendron californicum.

Macrosiphum rosae Linnaeus. Theobald, 1926a, p. 68.
Rhododendron.

Myzus vaccinii Theobald. Theobald, 1926a, p. 329.
Vaccinium vitis-idaea.

Neoamphorophora kalmiae Mason. Mason, 1924a, p. 50.
Kalmia angustifolia.

Toxoptera aurantii Boyer. Van der Goot, 1916a, p. 295.
Vaccinium varingiaefolium.

Toxoptera rhododendroni Uye. Uye, 1923a.
Rhododendron indicum.

Vesiculaphis caricis Fullaway. Hori, 1929b, p. 58.
Rhododendron albrechtii.

APHIDINAE (CALLIPTERINI):

Tamalia coweni Cockerell. Essig, 1915a, p. 193, 195; Gillette, 1931a, p. 884; Hottes, 1931b, p. 269.
Arctostaphylos glauca, A. manzanita, A. pumila, A. tomentosa, A. uva-ursi.

ERIOSOMATINAE:

Geoica radicicola Essig. Cutright, 1925a, p. 213.
Vaccinium macrocarpon.

PLUMBAGINACEAE

LEADWORT FAMILY

Macrosiphoniella limonii Walker. Nevsky, 1929b, p. 112; Theobald, 1926a, p. 166.
Statice limonium, S. otolepis.

Staticobium otolepidis Nevsky. Nevsky, 1929b, p. 112.
Statice otolepis.

Staticobium staticis Nevsky. Nevsky, 1928a, p. 188.
Statice otolepis.

MYRSINACEAE

MYRSINE FAMILY

Toxoptera aurantii Boyer. Takahashi, 1931a, p. 50.
Ardisia sieboldii.

PRIMULACEAE

PRIMROSE FAMILY

Amphorophora latysiphon Davidson. Essig, 1917a, p. 329.
Primula.

Anuraphis cortusae Nevsky. Nevsky, 1929b, p. 273.
Cortusa matthioli.

Anuraphis subterranea Walker. Theobald, 1927a, p. 279.
Anagallis.

Aphis chloris Koch. Passerini, 1874a.
Anagallis arvensis.

Aphis fabae Scopoli. Franssen, 1927a, p. 259, 260.
Anagallis arvensis, Lysimachia vulgaris.

Aphis furcipes Rafinesque. Hottes, 1931a, p. 63.
Primula veris.

Aphis gossypii Glover. Griswold, 1927b, p. 14; Hori, 1929b, p. 59; Okamoto, 1927a, p. 137; Patch, 1925b, p. 190.
Cyclamen europaeum, C. indicum, Lysimachia clethroides, L. stricta.

Aphis leguminosae Theobald. Hall, 1926a, p. 21.
Anagallis arvensis.
Aphis nerii Kaltenbach. Macchiati, 1883a, p. 255; Passerini, 1863b, p. 45.
Anagallis arvensis, A. linifolia, A. tenella, Lysimachia mauritiana.
Aphis persola Walker. Wilson, 1918a, p. 126.
Anagallis arvensis.
Aphis rumicis Linnaeus. Van der Goot, 1915a, p. 225; Theobald, 1927a, p. 102; Wilson, 1918a, p. 339.
Anagallis arvensis, Lysimachia, Steironema ciliatum.
Aphis spiraecola Patch. Hottes, 1931b, p. 393.
Dodecatheon meadia.
Jacksonia papillata Theobald. Theobald, 1926a, p. 262.
Lysimachia nemorum.
Macrosiphum malvae Mosley. Passerini, 1863b, p. 14.
Primula.
Macrosiphum nigro-rufa Walker. Theobald, 1913b, p. 154.
Anagallis arvensis.
Myzus circumflexus Buckton. Davis, 1914a, p. 122; Griswold, 1927b, p. 14; Hori, 1929b, p. 89; Werder, 1931a, p. 83.
Cyclamen europaeum, C. indicum, C. persicum, Steironema lanceolatum.
Myzus persicae Sulzer. Gillette, 1908a, p. 35; Hori, 1929b, p. 101; Hottes, 1931b, p. 392; Wilson, 1918a, p. 303.
Cyclamen europaeum, C. indicum, Primula forbesi, P. vulgaris.
Myzus polyanthi Theobald. Theobald, 1926a, p. 341.
Auricula, Lysimachia, Primula vulgaris.
Myzus primulae Theobald. Theobald, 1926a, p. 340.
Primula kewensis.
Myzus primulana Matsumura. Hori, 1929b, p. 104.
Primula sieboldi.
Myzus pseudosolani Theobald. Patch, 1926a, p. 56.
Lysimachia terrestris, Steironema ciliatum.
Pemphigus auriculae Murray. Laing, 1926a; Theobald, 1929a, p. 264.
Auricula, Primula pedemontana.
Pemphigus bursarius Linnaeus. Wilson, 1918a, p. 269.
Lysimachia.
Pemphigus pseudoauriculae Theobald. Theobald, 1929a, p. 266.
Auricula.
Thecabius lysimachiae Börner. Mordvilko, 1935a, p. 70.
Lysimachia numularia.

EBENACEAE

EBONY FAMILY

Anoecia querci Fitch. Cutright, 1925a, p. 188.
Diospyros virginiana (? "Drifts from *Cornus*..". See Hottes 1931b, p. 152.)

Aphis diospyri Thomas. Thomas, 1879a, p. 96.
Diospyros virginiana.
Myzus circumflexus Buckton. Theobald, 1926a, p. 333.
Persimmon.

STYRACACEAE

STORAX FAMILY

Astegopteryx jamuritsu Takahashi. Takahashi, 1931a, p. 89.
Styrax suberifolium.
Astegopteryx nekoashi Sasaki. Okamoto, 1927a, p. 145; Takahashi, 1929d, p. 531.)
Styrax obassia, S. suberifolium.
Astegopteryx roepkei Lambers. Lambers, 1932b, p. 1.
Styrax parallelonеurus.
Astegopteryx styracicola Takahashi. Takahashi, 1931a, p. 87.
Styrax formosanum, S. suberifolium.
Astegopteryx styracophila Karsch. Mordvilko, 1935a, p. 259; Takahashi, 1931a, p. 87.
Styrax benzoin, S. japonicum, S. suberifolium.
Astegopteryx sumatrana Lambers. Lambers, 1931e, p. 5.
Styrax subdenticulatus.
Astegopteryx taiwana Takahashi. Takahashi, 1934b.
Styrax.
Astegopteryx takenoushii Takahashi. Takahashi, 1934a.
Styrax.
Astegopteryx vandermeermohri Lambers. Lambers, 1931e, p. 4.
Styrax subdenticulatus.
Aulacorthum symplocois van der Goot. Van der Goot, 1916a, p. 293.
Symplocos sessilifolia.
Toxoptera aurantii Boyer. Van der Goot, 1916a, p. 295; Takahashi, 1923a, p. 94, 1931a, p. 50.
Styrax japonicum, S. suberifolium, Symplocos sessilifolia.

OLEACEAE

OLIVE FAMILY

APHIDINAE (APHIDINI):
Aphis gossypii Glover. Okamoto, 1927a, p. 137.
Forsythia viridissima.
Aphis leguminosae Theobald. Smee, 1930a.
Syringa persica.
Aphis ligustriella Theobald. Theobald, 1914c, p. 327.
Ligustrum.
Aphis malvae Koch. Das, 1918a, p. 271.
Jasminum.

Aphis medicaginis Koch. Swain, 1919a, p. 175.
Syringa.
Aphis rumicis Linnaeus. Hottes, 1931b, p. 395; Wilson, 1918a, p. 258.
Jasminum officinale, Ligustrum vulgare.
Aphis spiraecola Patch. Patch, 1923a, p. 51, 1929a, p. 699.
Forsythia suspensa, Ligustrum ibota.
Macrosiphum gei Koch. Hottes, 1931b, p. 395.
Ligustrum vulgare.
Macrosiphum ibotum Essig and Kuwana. Essig, 1918a, p. 46.
Ligustrum ibota.
Macrosiphum jasmini Clarke. Swain, 1919a, p. 64.
Jasminum.
Macrosiphum syringae Matsumura. Hori, 1929b, p. 58; Matsumura, 1918a, p. 4.
Syringa amurensis, S. japonica, S. vulgaris.
Macrosiphum tabaci Pergande. Wilson, 1918a, p. 244.
Forsythia viridissima.
Myzus persicae Sulzer. Gillette, 1908a, p. 36; Hottes, 1931b, p. 395.
Ligustrum vulgare, Syringa vulgaris.
Rhopalosiphoninus ligustri Mosley. Hottes, 1930a, p. 181; Wilson, 1918a, p. 102.
Ligustrum.
Rhopalosiphoninus ligustri Kaltenbach. Theobald, 1926a, p. 217.
Ligustrum vulgare.
Siphocoryne fraxinicola Matsumura. Matsumura, 1917b, p. 408.
Fraxinus longicuspis.

APHIDINAE (CALLIPTERINI and LACHNINI):
Anoecia corni Fabricius. Werder, 1931a, p. 83.
Fraxinus excelsior.
Chaitophorus fraxinicolus Matsumura. Matsumura, 1919a, p. 112.
Fraxinus longicuspis.
Pterocomma fraxini Theobald. Theobald, 1929a, p. 56.
Fraxinus excelsior.

ERIOSOMATINAE:
Asiphum ligustrinellum Koch. Koch, 1857a, p. 247.
Ligustrum vulgare.
Eriosoma oleae Leach. Wilson, 1918a, p. 277.
Olea europea.
Prociphilus approximatus Patch. Patch, 1917a, p. 418.
Fraxinus americanus.
Prociphilus bumeliae Schrank. Hori, 1929b, p. 58; Koch, 1857a, p. 282; Matsumura, 1917a, p. 88; Theobald, 1929a, p. 228.
Fraxinus bungeana, F. excelsior, Syringa amurense, S. japonica, S. vulgaris.
Prociphilus fraxini Fabricius. Fabricius, 1776a, p. 303; Lichtenstein, 1885a.
Fraxinus excelsior.

Prociphilus fraxini-dipetalae Essig. Essig, 1911c, p. 556; Glendenning, 1929b, p. 57; Wilson, 1915a, p. 85.
Fraxinus dipetala, F. excelsior, F. oregona.

Prociphilus fraxinifolii Riley. Gillette, 1909c, p. 354; Hottes, 1931b, p. 372, 393; Hunter, 1901a, p. 78.
Fraxinus americanus, F. oregona, F. pennsylvanica, F. quadrangulata, F. sambucifolia.

Prociphilus nidificus Low. Bayer, 1914a, p. 153, 154; Tullgren, 1909a, p. 81.
Fraxinus excelsior, F. ornus.

Prociphilus oriens Mordvilko. Mordvilko, 1935a, p. 89.
Fraxinus manshurica, F. rhynchophylla.

Prociphilus osmanthae Essig and Kuwana. Essig, 1918a, p. 106.
Osmanthus aquifolium.

Prociphilus venafuscus Patch. Maxson, 1923a, p. 323; Patch, 1909c, p. 319, 320, 1912e, p. 449.
Forsythia viridissimá, Fraxinus pennsylvanica, Syringa vulgaris. (Hottes, 1931b, p. 373, "stray on *Populus*"; Patch, 1912e, p. 449, "accidental on *Pyrus* and *Ulmus*.")

Tetraneura agnesii Del Guercio. Del Guercio, 1920a, p. 125.
Olive.

Thecabius californicus Davidson. Davidson, 1914a, p. 127; Swain, 1919a, p. 144.
Fraxinus oregona.

PHYLLOXERIDAE:

Phylloxera fraxini Stebbins. Wilson, 1918a, p. 78.
Fraxinus americanus.

LOGANIACEAE

LOGANIA FAMILY

Aphis buddleiae Theobald. Hall, 1926a, p. 14.
Buddleia madagascariensis.

Aphis fabae Scopoli. Roepke, 1928a, p. 7.
Buddleia variabilis.

Aphis gossypii Glover. Goff, 1932a, p. 10.
Buddleia officinalis, Strychnos spinosa.

Hyalopterus pruni Fabricius. Hall, 1926a, p. 31.
Buddleia madagascariensis.

Myzus persicae Sulzer. Hall, 1926a, p. 42.
Buddleia madagascariensis.

GENTIANACEAE

GENTIAN FAMILY

Aphis fraserae Gillette and Palmer. Gillette, 1932b, p. 400.
Frasera speciosa.

Macrosiphum martini Cockerell. Cockerell, 1903b, p. 170.
Frasera speciosa.

Macrosiphum nasonovi Mordvilko. Zirnits, 1930b, p. 50.
Menyanthes trifoliata.
Macrosiphum pallida Walker. Wilson, 1918a, p. 121.
Villarsia.
Rhopalosiphum nymphaeae Linnaeus. Passerini, 1863a, p. 252, 254; Takahashi, 1931a, p. 52; Theobald, 1915a, p. 118; Wilson, 1918a, p. 277.
Limnanthemum indicum, L. nymphoides, Menyanthes trifoliata, Nymphoides peltatum.

APOCYNACEAE

DOGBANE FAMILY

APHIDINAE:
Anuraphis padi Linnaeus. Theobald, 1927a, p. 250, 403.
Vinca major.
Aphis apocyni Koch. Koch, 1857a, p. 98; Schouteden, 1906a, p. 216; Williams, 1910a, p. 37.
Apocynum androsaemifolium, A. cannabinum.
Aphis asclepiadis Fitch. Hottes, 1931b, p. 181; Hunter, 1901a, p. 121; Wilson, 1918a, p. 37.
Apocynum cannabinum, Nerium oleander.
Aphis gossypii Glover. McDaniel, 1931a, p. 51.
Vinca.
Aphis helichrysi Kaltenbach. Gillette, 1932b, p. 405.
Vinca.
Aphis lutescens Monell. Essig, 1917a, p. 341; Williams, 1891a, p. 10.
Apocynum cannabinum, Nerium oleander.
Aphis nerii Boyer. Blanchard, 1923a, p. 41; Essig, 1917a, p. 341; Hall, 1926a, p. 23; Takahashi, 1925a, p. 61, 1931a, p. 47.
Nerium indicum, N. odorum, N. oleander.
Aphis nerii Kaltenbach. Kaltenbach, 1843a, p. 119.
Nerium oleander.
Aphis papaveris Fabricius. Kaltenbach, 1874a, p. 269.
Nerium oleander.
Aphis rhamni Boyer. Hottes, 1931b, p. 214.
Amsonia tabernaemontana.
Aphis rumicis Linnaeus. Wilson, 1918a, p. 151.
Nerium oleander.
Aphis silybi Passerini. Del Guercio, 1911a, p. 297.
Nerium oleander.
Aphis spiraecola Patch. Hottes, 1931b, p. 222; Patch, 1923a, p. 51, 1929a, p. 699.
Apocynum androsaemifolium.
Aulacorthum eumorphum Blanchard. Blanchard, 1922a, p. 198.
Vinca major.
Cryptosiphum nerii Destefani. Destefani, 1901a, p. 442.
Nerium oleander.

Eutrichosiphum minutum Takahashi. Takahashi, 1931a, p. 34.
Trachelospermum jasminoides.
Macrosiphum gei Koch. Hottes, 1931b, p. 306, 401.
Apocynum, Trachelospermum difforme.
Macrosiphum solanifolii Ashmead. Patch, 1921a, p. 329.
Apocynum androsaemifolium.
Myzus asclepiadis Passerini. Ferrari, 1872a, p. 62.
Nerium oleander.
Myzus circumflexus Buckton. Blanchard, 1922a, p. 214; Griswold, 1927b, p. 14.
Vinca major.
Myzus convolvuli Kaltenbach. Theobald, 1926a, p. 338.
Vinca major, V. minor.
Myzus persicae Sulzer. Hall, 1926a, p. 41; Takahashi, 1925a, p. 56, 1931a, p. 69.
Nerium indicum, N. odorum, N. oleander, Vinca.
Myzus solani Kaltenbach. Bartholomew, 1932a, p. 727.
Vinca.
Rhopalosiphoninus latysiphon Davidson. Theobald, 1926a, p. 215.
Vinca major, V. minor.
Toxoptera aurantii Boyer. Van der Goot, 1926a, p. 78.
Apocynum.
ERIOSOMATINAE:
Trifidaphis radicicola Essig. Cutright, 1925a, p. 212.
Vinca major.

ASCLEPIADACEAE

MILKWEED FAMILY

Amphorophora cosmopolitana Mason. Mason, 1925a, p. 26.
Asclepias.
Anuraphis padi Linnaeus. Baker, 1934a.
Asclepias lanuginosa.
Aphis asclepiadis Fitch. Gowdey, 1926a, p. 41; Hottes, 1931b, p. 181; Hunter, 1901a, p. 121; Oestlund, 1887a, p. 60; Williams, 1891a, p. 17.
Acerates angustifolia, A. floridana, A. longifolia, Asclepias cornuti, A. curassavica, A. speciosa, A. syriaca.
Aphis calotropidis Del Guercio. Del Guercio, 1916a, p. 300.
Calotropis procera.
Aphis fabae Scopoli. Franssen, 1927a, p. 259.
Asclepias.
Aphis foveolata Del Guercio. Del Guercio, 1916a, p. 303.
Pergularia extensa.
Aphis gomphorocarpi van der Goot. Van der Goot, 1912a, p. 276.
Gomphocarpus fruticosus.
Aphis gossypii Glover. Essig, 1917a, p. 338, 339; Goff, 1932a, p. 10; Hall, 1926a, p. 19.
Asclepias speciosa, A. verticellata, A. vestita, Cryptostegia.

Aphis helianthi Monell. Gillette, 1932b, p. 403.
Asclepias.

Aphis lutescens Monell. Davidson, 1910a, p. 377; Gillette, 1932b, p. 412; Mason, 1927a, p. 87; Monell, 1879a, p. 23; Williams, 1891a, p. 17.
Asclepias curassavica, A. galiodes, A. incarnata, A. mexicana, A. syriaca.

Aphis malvae Koch. Das, 1918a, p. 270.
Cryptostegia grandiflora.

Aphis middletonii Thomas. Gillette, 1932b, p. 419.
Acerates angustifolia.

Aphis nasturtii Kaltenbach. Del Guercio, 1911a, p. 297; Theobald, 1927a, p. 140.
Periploca graeca.

Aphis nerii Boyer. Das, 1918a, p. 205, 270, 271; Essig, 1917a, p. 341; van der Goot, 1916a, p. 103, 296; Hall, 1926a, p. 23, 24; Hottes, 1931b, p. 206, 390; Okamoto, 1927a, p. 138; Wolcott, 1922a; Zeck, 1929a, p. 139.
Asclepias cornuti, A. curassavica, A. grandiflora, A. incarnata, A. nivea, A. speciosa, A. tuberosa, A. vestita, Calotropis gigantea, C. procera, Cryptostegia grandiflora, Cynanchum dalhousie, Daemia cordata, Dregea volubilis, Gomphocarpus fruticosus, Gonolobus laevis, Hoya longifolia, Metaplexis japonica.

Aphis paoli Del Guercio. Del Guercio, 1916a, p. 302.
Calotropis.

Aphis rumicis Linnaeus. Hottes, 1931b, p. 390.
Asclepias.

Aphis spiraecola Patch. Hottes, 1931b, p. 390; Miller, 1929a, p. 435, 438; Patch, 1923a, p. 51, 1929a, p. 699.
Asclepias cornuti, A. tomentosa, Cryptostegia grandiflora.

Macrosiphum asclepiadifolii Thomas. Wilson, 1918a, p. 37.
Asclepias cornuti.

Macrosiphum asclepiadis Cowen. Cowen, 1895a, p. 123; Davis, 1911a, p. 326.
Asclepias speciosa.

Macrosiphum gei Koch. Hottes, 1931b, p. 306.
Asclepias.

Macrosiphum solanifolii Ashmead. Gillette, 1934a, p. 196; Patch, 1921a, p. 329.
Asclepias speciosa.

Myzocallis asclepiadis Monell. Hottes, 1931b, p. 256; Hunter, 1901a, p. 89; Oestlund, 1887a, p. 42; Williams, 1910a, p. 30.
Asclepias cornuti, A. obtusifolia, A. syriaca.

Myzocallis punctata Monell. Hottes, 1931b, p. 259.
Asclepias.

Myzus persicae Sulzer. Hottes, 1931b, p. 340.
Asclepias.

Pergandeidia tamaricifoliae Hall. Hall, 1926a, p. 31.
Calotropis procera.

Xerophilaphis cynanchi Nevsky. Nevsky, 1928b, p. 10.
Cynanchum acutum.

CONVOLVULACEAE
CONVOLVULUS FAMILY

APHIDINAE:

Aphis althaeae Nevsky. Nevsky, 1929b, p. 160.
Convolvulus.

Aphis convolvulicola Ferrari. Ferrari, 1872a, p. 67; Macchiati, 1883a, p. 239.
Convolvulus althaeoides, C. arvensis.

Aphis cuscutae Davis. Davis, 1919a, p. 229.
Cuscuta epithymum.

Aphis derelicta Walker. Wilson, 1918a, p. 68.
Calystegia soldanella.

Aphis evonymi Fabricius. Gaumont, 1929a, p. 275.
Convolvulus.

Aphis gossypii Glover. Bogdanov-Katjkov, 1933a, p. 59; Mason, 1921a, p. 24; Patch, 1925b, p. 190.
Ipomoea batatas, I. pandurata.

Aphis hederae Kaltenbach. Nevsky, 1929b, p. 190.
Cuscuta monogyna.

Aphis nerii Boyer. Hall, 1926a, p. 23; Hottes, 1931b, p. 392.
Convolvulus arvensis, C. sepium.

Aphis spiraecola Patch. Hottes, 1931b, p. 222.
Convolvulus.

Macrosiphum gei Koch. Bogdanov-Katjkov, 1933a, p. 134; Hottes, 1931b, p. 392, 395; Theobald, 1926a, p. 111.
Convolvulus, Ipomoea batatas.

Macrosiphum ludovicianae Oestlund. Swain, 1919a, p. 66.
Convolvulus.

Macrosiphum solani Kaltenbach. Wilson, 1918a, p. 223.
Convolvulus althaeoides.

Macrosiphum solanifolii Ashmead. Patch, 1921a, p. 329.
Convolvulus arvensis, Ipomoea batatas, I. purpurea.

Myzus circumflexus Buckton. Hottes, 1931b, p. 395.
Ipomoea maxima.

Myzus convolvuli Kaltenbach. Theobald, 1926a, p. 338.
Convolvulus major, C. minor, C. sepium.

Myzus persicae Sulzer. Bogdanov-Katjkov, 1933a, p. 56; Das, 1918a, p. 168, 269; Gould, 1930a, p. 815; Hori, 1929b, p. 59, 101; Hottes, 1931b, p. 395; Nevsky, 1929b, p. 125; Takahashi, 1931a, p. 69.
Convolvulus arvensis, C. major, Ipomoea batatas, I. crispa, I. guttata, I. maxima, I. purpurea, Pharbitis nil.

Myzus solani Kaltenbach. Bartholomew, 1932a, p. 727.
Convolvulus.

Rhopalosiphoninus latysiphon Davidson. Theobald, 1926a, p. 215.
Convolvulus arvensis.
Rhopalosiphum magnoliae Essig and Kuwana. Essig, 1918a, p. 39.
Ipomoea hederacea.
Xerophilaphis cuscutae Nevsky. Nevsky, 1928b, p. 18.
Cuscuta lehmanniana, C. monogyna.

ERIOSOMATINAE:
Geoica floccosa Moreira. Bogdanov-Katjkov, 1933a, p. 135; Moreira, 1925a.
Ipomoea stipulata.

POLEMONIACEAE

PHLOX FAMILY

Aphis fabae Scopoli. Werder, 1931a, p. 83.
Cobaea scandens.
Kakimia polemonii Gillette and Palmer. Gillette, 1934a, p. 165.
Polemonium speciosum.
Kakimia takala Hottes. Gillette, 1934a, p. 167.
Gilia aggregata.
Myzus persicae Sulzer. Hall, 1926a, p. 42.
Phlox.

HYDROPHYLLACEAE

WATERLEAF FAMILY

Anuraphis helichrysi Kaltenbach. Gillette, 1932b, p. 405.
Phacelia.
Aphis phaceliae Gillette and Palmer. Gillette, 1932b, p. 431.
Phacelia.
Myzus convolvuli Kaltenbach. Theobald, 1926a, p. 338.
Nemophila.

BORAGINACEAE

BORAGE FAMILY

APHIDINAE (APHIDINI):
Anuraphis cardui Linnaeus. Dobrowljansky, 1913a, p. 45; Ferrari, 1872a, p. 68; Theobald, 1927a, p. 224; Wilson, 1918a, p. 266; Zirnits, 1927a, p. 247.
Borago officinalis, Cynoglossum officinale, Lithospermum officinale, Myosotis, Onosma stellulatum.
Anuraphis helichrysi Kaltenbach. Gillette, 1932b, p. 405; Hall, 1926a, p. 11; Takahashi, 1923a, p. 112; Theobald, 1927a, p. 224, 250.
Borago officinalis, Bothriospermum tenellum, Cynoglossum officinale, Echium vulgare, Mertensia, Myosotis, Onosmodium occidentale.

Anuraphis myosotidis Koch. Del Guercio, 1911a, p. 298; Passerini, 1863a, p. 254.
Myosotis palustris, M. welwitschii.
Anuraphis padi Linnaeus. Hottes, 1931b, p. 209; Theobald, 1927a, p. 250, 403.
Cynoglossum officinale, Echium vulgare, Lycopsis arvensis, Myosotis.
Aphis adjecta Walker. Walker, 1849b, p. 46, app.
Cynoglossum officinale.
Aphis bakeri Cowen. Davidson, 1914a, p. 133.
Amsinckia.
Aphis bufo Walker. Walker, 1848a, p. 46.
Lycopsis arvensis.
Aphis consolidae Passerini. Wilson, 1918a, p. 60.
Symphytum officinale.
Aphis consors Walker. Wilson, 1918a, p. 60.
Cynoglossum officinale.
Aphis cynoglossi Lichtenstein. Wilson, 1918a, p. 66.
Cynoglossum.
Aphis fabae Scopoli. Werder, 1931a, p. 83.
Anchusa azurea, A. officinalis, Symphytum officinale.
Aphis gossypii Glover. Van der Goot, 1916a, p. 95; Hall, 1926a, p. 19; Hottes, 1931b, p. 389.
Anchusa myosotidiflora, Borago officinalis, Cordia myxa, Heliotropium indicum.
Aphis heliotropii Macchiati. Schouteden, 1906a, p. 221.
Heliotropium europaeum.
Aphis lithospermii Wilson. Swain, 1919a, p. 108.
Lithospermum pilosum.
Aphis particeps Walker. Wilson, 1918a, p. 122.
Cynoglossum officinale.
Aphis petasitidis Buckton. Buckton, 1879a, p. 71.
Cynoglossum officinale.
Aphis ramona Swain. Swain, 1918b, p. 14.
Ramona stachyoides.
Aphis rumicis Linnaeus. Buckton, 1879a, p. 84; Theobald, 1927a, p. 84; Walker, 1850a, p. 19.
Borago officinalis, Cynoglossum, Lycopsis officinalis, Myosotis scorpioides.
Aphis senecio Swain. Swain, 1918b, p. 17.
Amsinckia psilostachya, A. spectabilis.
Aphis silybi Passerini. Ferrari, 1872a, p. 71.
Borago officinalis.
Aphis socia Walker. Walker, 1848c, p. 2217.
Cynoglossum officinale.
Aphis sodalis Walker. Walker, 1848c, p. 2218.
Cynoglossum officinale.

Aphis symphiti Schrank. Theobald, 1915c, 1927a, p. 133; Wilson, 1918a, p. 164.
Anchusa italica, A. officinalis, Borago officinalis, Cynoglossum officinale, Echinospermum lappula, Echium vulgare, Myosotis palustris, Symphytum officinale.

Aphis tuberosae Boyer. Wilson, 1918a, p. 170.
Cynoglossum.

Aspidaphis adjuvans Walker. Walker, 1848c, p. 2220; Theobald, 1927a, p. 310.
Lycopsis arvensis.

Brachycaudus mordvilkoi Lambers. Lambers, 1931c, p. 4.
Echium vulgare.

Dentaphis bicolor Nevsky. Nevsky, 1929a, p. 213.
Lindelofia anchusoides.

Macrosiphum gei Koch. Theobald, 1926a, p. 111.
Borago.

Macrosiphum jaceae Linnaeus. Wilson, 1918a, p. 94–95.
Anchusa officinalis, Echinospermum lappula, Echium vulgare, Lithospermum arvense, L. fruticosum, L. officinale, Pulmonaria officinalis.

Macrosiphum mertensiae Gillette and Palmer. Gillette, 1934a, p. 190.
Mertensia.

Macrosiphum niwanista Hottes. Gillette, 1934a, p. 191.
Mertensia sibirica.

Myzus circumflexus Buckton. Griswold, 1927b, p. 14; Hori, 1929b, p. 89; Hottes, 1931b, p. 336.
Anchusa myosotidiflora, Heliotropium laevis, H. peruvianum, Myosotis.

Myzus persicae Sulzer. Essig, 1911d, p. 600; Mordvilko, 1935a, p. 305; Swain, 1919a, p. 85; Wilson, 1918a, p. 125.
Amsinckia spectabilis, Cynoglossum grande, Heliotropium peruvianum, Myosotis scorpioides.

Toxoptera aurantii Boyer. Takahashi, 1931a, p. 50.
Ehretia buxifolia.

APHIDINAE (CALLIPTERINI):

Saltusaphis familiaris Walker. Theobald, 1929a, p. 65.
Lycopsis arvensis.

HORMAPHIDINAE:

Cerataphis lataniae Boisduval. Schouteden, 1906a, p. 197.
Cynoglossum.

VERBENACEAE

VERVAIN FAMILY

APHIDINAE:

Anuraphis verbenae Macchiati. Theobald, 1927a, p. 273.
Verbena chamaedryfolia, V. officinalis.

Aphis abbreviata Patch. Patch, 1924a, p. 38.
Verbena hybrida.
Aphis aubletia Sanborn. Sanborn, 1904a, p. 49.
Verbena aubletia.
Aphis capsellae Kaltenbach. Macchiati, 1883a, p. 238; Passerini, 1863b, p. 40.
Verbena chamaedryfolia, V. officinalis.
Aphis clerodendri Matsumura. Matsumura, 1917b, p. 386.
Clerodendron trichotomum.
Aphis durantae Theobald. Hall, 1926a, p. 17.
Duranta.
Aphis duranti Das. Das, 1918a, p. 270, 273.
Duranta, Vitex negundo.
Aphis gossypii Glover. Essig, 1918a, p. 68; Gillette, 1932b, p. 401; Goff, 1932a, p. 10; van der Goot, 1916a, p. 95, 295; Griswold, 1927b, p. 14; Patch, 1925b, p. 190; Takahashi, 1923a, p. 98, 99, 1931a, p. 45; Theobald, 1927a, p. 144.
Callicarpa formosana, C. purpurea, Clerodendron thomsonae, C. trichotomum, Duranta plumieri, Lantana camara, L. sellowiana, Tectona grandis, Verbena bipinnatifida, V. bracteosa, V. hybrida, Vitex trifolia.
Aphis maidi-radicis Forbes. Vickery, 1910a, p. 104.
Verbena canadensis.
Aphis malvae Walker. Buckton, 1879a, p. 43.
Verbena.
Aphis malvoides Das. Das, 1918a, p. 270, 273.
Duranta, Vitex negundo.
Aphis nerii Kaltenbach. Wilson, 1918a, p. 114.
Duranta ellisia.
Aphis rumicis Linnaeus. Wilson, 1918a, p. 151.
Verbena officinalis.
Aphis tectonae van der Goot. Van der Goot, 1916a, p. 112.
Tectona grandis.
Aphis verbenae Nevsky. Nevsky, 1929b, p. 205.
Verbena officinalis.
Aphis verbena-hastata Rafinesque. Hottes, 1931a, p. 67.
Verbena hastata.
Aphis viticis Ferrari. Ferrari, 1872a, p. 67; Wilson, 1918a, p. 353.
Vitex agnus-castus.
Macrosiphum malvae Mosley. Passerini, 1863a, p. 344.
Verbena chamaedryfolia.
Macrosiphum pelargoni Kaltenbach. Gaumont, 1929a, p. 275.
Verbena.
Macrosiphum verbenae Thomas. Williams, 1910a, p. 172; Wilson, 1918a, p. 175.
Verbena officinalis, V. stricta.

Myzus persicae Sulzer. Gillette, 1908a, p. 35; Hall, 1926a, p. 42; Passerini, 1863a.
Duranta plumieri, Verbena chamaedryfolia.
Myzus pseudosolani Theobald. Patch, 1928a, p. 56.
Verbena.
Myzus targionii Del Guercio. Wilson, 1918a, p. 166.
Lippia citridora.

ERIOSOMATINAE:
Forda myrmecaria Boisduval. Wilson, 1918a, p. 261.
Lantana.
Prociphilus clerodendri Okamoto and Takahashi. Okamoto, 1927a, p. 146.
Clerodendron trichotomum.

LABIATAE

MINT FAMILY

APHIDINAE (APHIDINI):
Acyrthosiphon salviae Nevsky. Nevsky, 1929b, p. 89.
Salvia sclarea.
Anuraphis gladioli Felt. Wilson, 1918a, p. 83.
Nepeta glechoma.
Anuraphis helichrysi Kaltenbach. Wilson, 1918a, p. 88.
Lamium album, L. maculatum, L. purpureum, Leonurus cardiaca.
Anuraphis menthaecola Nevsky. Nevsky, 1929b, p. 280.
Mentha sylvestris.
Anuraphis phlomicola Nevsky. Nevsky, 1929a, p. 220.
Phlomis.
Aphis abbreviata Patch. Patch, 1924a, p. 38.
Galeopsis tetrahit.
Aphis affinis Del Guercio. Del Guercio, 1911a, p. 298.
Mentha viridis.
Aphis ageratoides Oestlund. Hottes, 1931b, p. 181.
Blephilia hirsuta, Nepeta cataria.
Aphis alienus Theobald. Theobald, 1927a, p. 191.
Lamium.
Aphis ballotae Passerini. Passerini, 1863a, p. 151; Wilson, 1918a, p. 40.
Ballota nigra, Marrubium.
Aphis brunellae Schouteden. Schouteden, 1906a, p. 217.
Brunella vulgaris.
Aphis capsellae Kaltenbach. Passerini, 1863a, p. 254.
Mentha sylvestris.
Aphis chloris Koch. Ferrari, 1872a, p. 65; Passerini, 1863a, p. 338.
Scutellaria galericulata, Stachys recta.
Aphis clinopodii Passerini. Passerini, 1863a, p. 152; Wilson, 1918a, p. 58.
Calamintha acinos, C. clinopodium, Mentha sylvestris, Satureja vulgaris.

Aphis fabae Scopoli. Franssen, 1927a, p. 260; Werder, 1931a, p. 83.
Monarda fistula, Salvia pratensis, Satureja hortensis.
Aphis frangulae Kaltenbach. Gillette 1932b, p. 399.
Nepeta cataria.
Aphis glechomae Walker. Wilson, 1918a, p. 83.
Nepeta glechoma.
Aphis gossypii Glover. Goff, 1932a, p. 10; van der Goot, 1916a, p. 295; Hall, 1926a, p. 19; Mason, 1927a, p. 87; Patch, 1925b, p. 190; Takahashi, 1923a, p. 98, 1931a, p. 45; Theobald, 1927a, p. 144.
Leonurus sibiricus, Leucas lavandulaefolia, L. zeylanica, Mentha viridis, Monarda fistulosa, Mosla formosana, Nepeta glechoma, N. hederacea, Ocimum basilicum, Perilla ocymoides, Salvia scapiformis, S. splendens, Scutellaria multiglandulosa.
Aphis lamii Koch. Koch, 1857a, p. 85.
Lamium.
Aphis maidi-radicis Forbes. Vickery, 1910a, p. 103, 104, 112.
Mentha arvensis, M. canadensis, Scutellaria drummondii, Teucrium laciniatum.
Aphis menthae Walker. Kaltenbach, 1874a, p. 474; Nevsky, 1929b, p. 190; Walker, 1852a, p. 1045.
Mentha aquatica, M. arvensis, M. hirsuta, M. sylvestris.
Aphis menthae-radicis Cowen. Jones, 1929a, p. 54.
Monarda.
Aphis monardae Oestlund. Britton, 1933a, p. 83; Hottes, 1931b, p. 396; Oestlund, 1887a, p. 58; Patch, 1923b, p. 295.
Monarda didyma, M. fistulosa, M. punctata.
Aphis nepetae Kaltenbach. Kaltenbach, 1874a, p. 479; Lichtenstein, 1884a; Schouteden, 1906a, p. 224.
Calamintha, Nepeta cataria, Origanum vulgare.
Aphis odorikonis Matsumura. Matsumura, 1917b, p. 357.
Lamium album.
Aphis origani Passerini. Bayer, 1914a, p. 150; Kaltenbach, 1874a, p. 479; Nevsky, 1929b, p. 398; Passerini, 1860a, p. 36.
Calamintha clinopodium, C. nepeta, Mentha sylvestris, Origanum paniculatum, O. vulgare.
Aphis perillae Shinji. Hori, 1929b, p. 117.
Perilla ocimoides.
Aphis plantaginis Schrank. Wilson, 1918a, p. 132.
Leonurus cardiaca.
Aphis pulegi Del Guercio. Del Guercio, 1911a, p. 298.
Mentha pulegium.
Aphis ramona Swain. Swain, 1919a, p. 122.
Ramona stachyoides.
Aphis rhamni Boyer. Hottes, 1931b, p. 214.
Nepeta cataria.
Aphis rhamni Kaltenbach. Ferrari, 1872a, p. 69.
Origanum vulgare.

Aphis rumicis Linnaeus. Hottes, 1931b, p. 396; Theobald, 1927a, p. 102; Walker, 1850a, p. 19.
Lamium purpureum, Mentha aquatica, Nepeta cataria.

Aphis salviae Walker. Hori, 1929b, p. 59; Walker, 1852a, p. 1043; Wilson, 1918a, p. 153.
Salvia aethiopis, S. ceratophylloides, S. officinalis, S. pratensis.

Aphis scabiosae Schrank. Theobald, 1927a, p. 180.
Ballota nigra.

Aphis scorodoniae Del Guercio. Del Guercio, 1911a, p. 298.
Teucrium scorodonia.

Aphis serphylli Koch. Del Guercio, 1911a, p. 297.
Thymus serphyllum.

Aphis spiraecola Patch. Patch, 1923a, p. 51, 1929a, p. 699.
Galeopsis tetrahit.

Aphis symphiti Schrank. Theobald, 1927a, p. 133.
Galeopsis ladanum, Stachys recta.

Aphis tentans Walker. Walker, 1852a, p. 1045.
Mentha hirsuta.

Aphis teucrii Lichtenstein. (No description.) Wilson, 1918a, p. 167.
Teucrium.

Capitophorus lamii van der Goot. Theobald, 1926a, p. 254.
Lamium album, L. purpureum.

Capitophorus quaerens Walker. Theobald, 1926a, p. 234.
Galeopsis ladanum.

Capitophorus ribis Linnaeus. Gillette, 1917b, p. 340, 1934a, p. 156; Haviland, 1919b, p. 95, 96; Jones, 1929a, p. 39; Theobald, 1926a, p. 231.
Galeopsis bifida, G. ladanum, G. tetrahit, G. versicolor, Lamium album, L. amplexicaule, L. purpureum, Leonurus cardiaca, Stachys palustris, S. scopulorum, S. sylvatica.

Cerosipha passeriniana Del Guercio. Del Guercio, 1900a, p. 117.
Salvia splendens.

Dentatus microsiphon Nevsky. Nevsky, 1929b, p. 300.
Mentha sylvestris.

Macrosiphum gei Koch. Theobald, 1926a, p. 111.
Lamium album.

Macrosiphum hieracii Schrank. Wilson, 1918a, p. 89.
Ballota nigra.

Macrosiphum ludovicianae Oestlund. Swain, 1919a, p. 66.
Stachys bullata.

Macrosiphum matsumuraeanum Hori. Hori, 1929b, p. 68.
Mentha arvensis.

Macrosiphum mesosphaeri Tissot. Tissot, 1934a, p. 19.
Mesosphaerum pectinatum.

Macrosiphum perillae Takahashi. Takahashi, 1931a, p. 64.
Perilla ocymoides.

Macrosiphum salviae Bartholomew. Bartholomew, 1932a, p. 721.
Salvia mellifera.

Macrosiphum solanifolii Ashmead. Gould, 1930a, p. 817; Patch, 1921a, p. 329.
Mentha, Prunella vulgaris, Scutellaria galericulata.
Macrosiphum urticae Schrank. Zirnits, 1927a, p. 206.
Galeopsis ladanum.
Myzus ajugae Schouteden. Schouteden, 1906a, p. 231.
Ajuga reptans.
Myzus circumflexus Buckton. Swain, 1919a, p. 74.
Stachys bullata.
Myzus eupatorii Passerini. Ferrari, 1872a, p. 64.
Stachys recta.
Myzus monardae Williams. Hottes, 1931b, p. 339.
Monarda fistulosa.
Myzus persicae Sulzer. Gould, 1930a, p. 815; Hottes, 1931b, p. 340; Theobald, 1926a, p. 323.
Mentha hirsuta, Prunella vulgaris, Salvia leucantha.
Myzus pseudolamii Theobald. Theobald, 1926a, p. 346.
Lamium purpureum.
Myzus pseudosolani Theobald. Gillette, 1934a, p. 206; Patch, 1928a, p. 57.
Galeopsis tetrahit, Leonurus, Salvia splendens.
Myzus sakurae Matsumura. Shinji, 1935f.
Elsholtzia patrini.
Myzus solani Kaltenbach. Bartholomew, 1932a, p. 727.
Lamium, Stachys ajugoides, S. californica.
Phorodon calaminthae Macchiati. Macchiati, 1885a, p. 54.
Calamintha clinopodium.
Phorodon chamaedrys Passerini. Wilson, 1918a, p. 55.
Teucrium chamaedrys.
Phorodon crataegarium Walker. Lambers, 1931d, p. 5.
Lycopus europaeus.
Phorodon lycopi Nevsky. Nevsky, 1929b, p. 148.
Lycopus europaeus.
Phorodon menthae Buckton. Buckton, 1876a, p. 121; van der Goot, 1915a, p. 135; Takahashi, 1931a, p. 72; Theobald, 1926a, p. 279; Williams, 1910a, p. 83.
Mentha aquatica, M. arvensis, M. canadensis, M. sylvestris, M. viridis.
Phorodon minutum van der Goot. Van der Goot, 1916a, p. 44.
Coleus aromaticus.
Rhopalosiphoninus salviae Hall. Hall, 1926a, p. 43.
Salvia.
Rhopalosiphum calaminthae Lichtenstein. Wilson, 1918a, p. 47.
Calamintha.
Rhopalosiphum elegans Ferrari. Wilson, 1918a, p. 71.
Salvia ceratophylloides, S. rectiflora.
Rhopalosiphum hippophaes Koch. Gillette, 1915b, p. 375.
Lamium, Stachys.
Toxoptera leonuri Takahashi. Takahashi, 1923a, p. 94.
Leonurus sibiricus.

APHIDINAE (CALLIPTERINI):

Chaitophorus montemartinii Del Guercio. Del Guercio, 1913b, p. 179.
Lamium purpureum.

Pterocomma farinosus Del Guercio. Del Guercio, 1913b, p. 178; Wilson, 1918a, p. 74.
Lamium.

ERIOSOMATINAE:

Gobaishia japonica Matsumura. Hori, 1929b, p. 16.
Elsholtzia patrini.

Kaltenbachiella menthae Schouteden. Schouteden, 1906a, p. 196; Theobald, 1929a, p. 321.
Mentha aquatica, M. arvensis.

Prociphilus erigeronensis Thomas. Cutright, 1925a, p. 208.
Glecoma hederacea.

Tetraneura pallida Haliday. Nevsky, 1929b, p. 398.
Mentha sylvestris.

HORMAPHIDINAE:

Thoracaphis cuspidatae Essig and Kuwana. Essig, 1932a, p. 4.
Tetradenia.

RHIZOBIUS:

Rhizobius menthae Passerini. Passerini, 1860a, p. 39.
Mentha arvensis.

Rhizobius sonchi Passerini. Kaltenbach, 1874a, p. 484; Passerini, 1863a, p. 247.
Galeopsis tetrahit, Stachys annua.

SOLANACEAE

NIGHTSHADE FAMILY

APHIDINAE (APHIDINI):

Amphorophora latysiphon Davidson. Swain, 1919a, p. 54.
Solanum tuberosum. (Fortuitous? Patch, 1925a, p. 27.)

Amphorophora solani Thomas. Hottes, 1931b, p. 280.
Lycopersicon esculentum. (Fortuitous? Patch, 1925a, p. 29.)

Anuraphis amygdali Buckton. Buckton, 1879a, p. 106.
Tobacco. (Fortuitous? Patch, 1925a, p. 25.)

Anuraphis cardui Linnaeus. Zirnits, 1927a, p. 247.
Datura stramonium. (Fortuitous?)

Anuraphis helichrysi Kaltenbach. Nevsky, 1929b, p. 401.
Solanum lycopersicum.

Aphis abbreviata Patch. Patch, 1924a, p. 38, 1925a, p. 25.
Nicotiana tabacum, Solanum tuberosum.

Aphis compositae Theobald. Hall, 1926a, p. 15.
Cestrum pseudoquina, Solanum nigrum.

Aphis evonymi Fabricius. Nevsky, 1929b, p. 401; Roepke, 1928a, p. 20.
Solanum dulcamara, S. nigrum.

Aphis fabae Scopoli. Franssen, 1927a, p. 260, 261; Nevsky, 1929b, p. 398. 401.
Datura stramonium, Hyoscyamus niger, Nicotiana tabacum, Solanum dulcamara, S. lycopersicum, S. melongena, S. nigrum, S. tuberosum.

Aphis flava Nevsky. Nevsky, 1929b, p. 401.
Solanum tuberosum.

Aphis gossypii Glover. Essig, 1918a, p. 42; Gillette, 1932b, p. 401; Goff, 1932a, p. 10; van der Goot, 1916a, p. 95, 295, 1918b; Hall, 1926a, p. 19; Hottes, 1931b, p. 391; Nevsky, 1929b, p. 398, 401; Patch, 1925b, p. 190; Pergande, 1895a, p. 314; Theobald, 1927a, p. 86, 144, 167.
Capsicum annuum, C. dulce, Cestrum diurnum, Cyphomandra betacea, Datura stramonium, Nicotiana tabacum, Petunia, Solanum aculeatissimum, S. lycopersicum, S. melongena, S. nigrum, S. torvum, S. tuberosum, S. verbascifolium.

Aphis hyosciami Kittel. Patch, 1925a, p. 26.
Hyoscyamus niger.

Aphis maidi-radicis Forbes. Vickery, 1910a, p. 104.
Solanum nigrum.

Aphis maidis Fitch. Wildermuth, 1932a, p. 7.
Solanum rostratum (rare).

Aphis malvacearum van der Goot. Patch, 1925a, p. 27.
Solanum lycopersicum, Withania somnifera.

Aphis malvae Koch. Das, 1918a, p. 273, 274; Patch, 1925a, p. 27.
Solanum nigrum, Withania somnifera.

Aphis malvae Walker. Buckton, 1879a, p. 43; Patch, 1925a, p. 27.
Nicotiana tabacum.

Aphis nerii Boyer. Hall, 1926a, p. 23.
Solanum.

Aphis nerii Kaltenbach. Passerini, 1863a, p. 339; Patch, 1925a, p. 27; Theobald, 1927a, p. 167.
Solanum betaceum, S. nigrum.

Aphis papaveris Fabricius. Ferrari, 1872a, p. 71; Kaltenbach, 1874a, p. 269; Patch, 1925a, p. 27; Wilson, 1918a, p. 122.
Datura, Solanum nigrum, S. tuberosum.

Aphis rhamni Boyer. Theobald, 1927a, p. 404.
Solanum tuberosum.

Aphis rumicis Linnaeus. Patch, 1925a, p. 28; Theobald, 1927a, p. 102, 167; Walker, 1850a, p. 19; Wilson, 1918a, p. 150.
Cyphomandra betacea, Datura stramonium, Lycopersicum esculentum, Solanum dulcamara, S. jasminoides, S. nigrum, S. officinale, S. tuberosum.

Aphis scabiosae Schrank. Cholodkovsky, 1910b, p. 146; Patch, 1925a, p. 28; Theobald, 1927a, p. 180.
Nicotiana rustica, N. tabacum.

Aphis scabiosae Scopoli. Theobald, 1927a, p. 167; Wilson, 1918a, p. 154.
Nicotiana rustica, Solanum giganteum.

Aphis silybi Passerini. Passerini, 1862a, 1863a, p. 339; Patch, 1925a, p. 28; Theobald, 1927a, p. 167; Wilson, 1918a, p. 157.
Solanum dilleni, S. guianense, S. nigrum.

Aphis solanella Theobald. Theobald, 1914c, p. 326, 1927a, p. 167.
Solanum.

Aphis solani Kittel. Patch, 1925a, p. 29; Wilson, 1918a, p. 158.
Solanum dulcamara, S. nigrum, S. villosum.

Aphis solanina Passerini. Macchiati, 1883a, p. 257; Passerini, 1863a, p. 340; Patch, 1925a, p. 29; Theobald, 1927a, p. 167; Wilson, 1918a, p. 159.
Solanum elaeagnifolium, S. integrifolium, S. sodomeum, S. tuberosum, S. texanum.

Aphis solanophilus Blanchard. Blanchard, 1923a, p. 45.
Solanum nodiflorum.

Aphis spiraecola Patch. Miller, 1929a, p. 435.
Solanum.

Aphis splendens Theobald. Hall, 1926a, p. 26.
Nicotiana tabacum.

Aphis symphiti Schrank. Zirnits, 1927a, p. 245.
Solanum tuberosum.

Aphis urticaria Kaltenbach. Buckton, 1879a, p. 51. (See, however, Theobald, 1927a, p. 178.)
Solanum tuberosum.

Brevicoryne brassicae Linnaeus. Nevsky, 1929b, p. 395.
Capsicum annuum. (Fortuitous?)

Hyalopteroides pallida Theobald. Theobald, 1926a, p. 225.
"On a potato leaf." (Also "in a nest of *Lasius niger.*")

Jacksonia papillata Theobald. Theobald, 1926a, p. 262.
Solanum tuberosum.

Macrosiphum atropae Mordvilko. Patch, 1925a, p. 25.
Atropa belladonna.

Macrosiphum cucurbitae Middleton. Patch, 1925a, p. 26.
Solanum melongena.

Macrosiphum gei Koch. Hottes, 1931b, p. 306, 307; Theobald, 1926a, p. 111.
Atropa, Capsicum dulce, Lycopersicum, Physalis, Solanum jasminoides, S. melongena, S. tuberosum.

Macrosiphum jaceae Linnaeus. Theobald, 1926a, p. 60.
Solanum tuberosum. (Fortuitous?)

Macrosiphum lycopersicella Theobald. Theobald, 1914c, p. 315.
Lycopersicum esculentum.

Macrosiphum matsumuraeanum Hori. Hori, 1929b, p. 57, 68.
Nicotiana tabacum, Solanum lycopersicum, S. melongena, S. tuberosum.

Macrosiphum pisi Kaltenbach. Hottes, 1931b, p. 318.
Solanum dulcamara.

"**Macrosiphum rosae** Linnaeus" of Coret. Patch, 1925a, p. 28.
Solanum tuberosum.

Macrosiphum? (Aphis?) scabiosae Schrank. Patch, 1925a, p. 28.
Nicotiana.

Macrosiphum solani Kaltenbach. Del Guercio, 1911a, p. 298; Lichtenstein Flore Supplement; Macchiati, 1883a, p. 231; Matsumura, 1917b, p. 361; Patch, 1925a, p. 28; Schouteden, 1906a, p. 240; Wilson, 1918a, p. 158.

Atropa belladonna, Hyoscamus, Lycopersicum, Physalis, Solanum giganteum, S. jasminoides, S. nigrum, S. tuberosum.

Macrosiphum solanifolii Ashmead. Ashmead, 1882a, p. 93; Gould, 1930a, p. 814–817; Houser, 1917a, p. 68–69; Patch, 1915b, p. 214, 1921a, p. 329–330, 1923b, p. 310, 1925a, p. 10; Smith, 1919a, p. 51.

Capsicum annuum, C. frutescens, Datura stramonium, D. tatula, Lycium halimifolium, Lycopersicum esculentum, Nicotiana tabacum, Physalis pruinosa, P. pubescens, P. subglabrata, P. virginiana, P. viscosa, Solanum carolinense, S. jasminoides, S. melongena, S. pseudocapsicum, S. tuberosum.

Macrosiphum ulmariae Schrank. Patch, 1925a, p. 30; Zirnits, 1927a, p. 206.

Hyoscyamus niger, Solanum tuberosum.

Myzus circumflexus Buckton. Fullaway, 1910a, p. 27; McDaniel, 1931a, p. 51; Patch, 1925a, p. 26; Theobald, 1926a, p. 333.

Lycium, Physalis peruviana, Schizanthus, Solanum tuberosum.

Myzus convolvuli Kalt. Whitehead, 1932a, p. 539.

Solanum tuberosum.

Myzus persicae Sulzer. Das, 1918a, p. 168, 270; Gillette, 1908a, p. 35, 36; van der Goot, 1916a, p. 49; Gould, 1930a, p. 814, 815; Griswold, 1927b, p. 15; Hall, 1926a, p. 42; Hori, 1929b, p. 16, 50, 101; Hottes, 1931b, p. 340; Judenko, 1930a, p. 135, 136; Nevsky, 1929b, p. 401; Patch, 1925a, p. 27; Theobald, 1926a, p. 323; Wilson, 1918a, p. 125.

Atropa belladonna, Capsicum annuum, C. dulce, C. frutescens, Cestrum newelli, C. pseudoquina, Datura stramonium, D. tatula, Lycopersicum esculentum, Nicotiana rustica, N. tabacum, Physalis virginiana, Solandra grandiflora, Solanum carolinense, S. dulcamara, S. lycopersicum, S. melongena, S. nigrum, S. pseudocapsicum, S. tuberosum, Withania somnifera.

Myzus pseudosolani Theobald. Gillette, 1934a, p. 206; Patch, 1928a, p. 57; Theobald, 1926a, p. 315.

Lycopersicum esculentum, Solanum dulcamara, S. pseudocapsicum, S. tuberosum.

Neocaudus bipapillata Theobald. Theobald, 1927a, p. 327.

Solanum tuberosum.

Xerophilaphis lycii Nevsky. Nevsky, 1928b, p. 14.

Lycium ruthenicum.

Xerophilaphis plotnikovi Nevsky. Nevsky, 1928b, p. 13, 1929b, p. 401.

Solanum lycopersicum.

Xerophilaphis zawadovskii Nevsky. Nevsky, 1928b, p. 21.

Lycium turcomannicum.

APHIDINAE (CALLIPTERINI and LACHNINI):

Anoecia corni Fabricius. Nevsky, 1929b, p. 349, 401.

Solanum lycopersicum.

Chaitophorus xanthomelas Koch. Koch, 1857a, p. 2.
Lycium europaeum; "vielleicht zufällig dahin gekommen."
Lachnus incertus Schouteden. Gould, 1930a, p. 829; Del Guercio, 1907a, p. 281.
Solanum lycopersicum, S. tuberosum.

ERIOSOMATINAE:
Forda formicaria Heyden. Gould, 1930a, p. 829.
Solanum tuberosum.
Prociphilus erigeronensis Thomas. Cutright, 1925a, p. 208.
Lycopersicum esculentum.
Trifidaphis perniciosa Nevsky. Nevsky, 1929a, p. 227.
Lycopersicum esculentum, Solanum tuberosum.
Trifidaphis phaseoli Passerini. Hall, 1926a, p. 47; Nevsky, 1929b, p. 401.
Lycopersicum esculentum, Nicotiana tabacum, Solanum tuberosum.
Trifidaphis radicicola Essig. Cutright, 1925a, p. 212; Essig, 1909a, p. 75.
Solanum douglasii, S. tuberosum.

BIXINEAE

Toxoptera aurantii Boyer. Takahashi, 1923a, p. 95.
Scolopia crenata.

SCROPHULARIACEAE

FIGWORT FAMILY

Amphorophora digitalisii Theobald. Theobald, 1929a, p. 329.
Digitalis purpurea.
Amphorophora rhinanthi Schouteden. Schouteden, 1906a, p. 242; Werder, 1931a, p. 83; Zirnits, 1930a, p. 10.
Alectorolophus hirsutus, Rhinanthus crista-galli, R. major, R. minor.
Anuraphis helichrysi Kaltenbach. Theobald, 1927a, p. 225, 250.
Bartsia viscosa, Veronica.
Anuraphis melampyri Del Guercio. Del Guercio, 1911a, p. 297.
Melampyrum.
Anuraphis padi Linnaeus. Theobald, 1929a, p. 329.
Digitalis lutea, D. purpurea.
Aphis beccabungae Koch. Passerini, 1863a, p. 344; Theobald, 1927a, p. 152.
Veronica anagallis, V. beccabunga.
Aphis chipetae Hottes. Hottes, 1933a, p. 8.
Castilleja.
Aphis chloris Koch. Passerini, 1863a, p. 248; Wilson, 1918a, p. 55.
Gratiola officinalis, Scrophularia galericulata.
Aphis cymbalariae Schouteden. Schouteden, 1906a, p. 220.
Cymbalaria cymbalaria.
Aphis elatinoidei Nevsky. Nevsky, 1929a, p. 201.
Elatinoides elatine.

Aphis fabae Scopoli. Werder, 1931a, p. 83.
Digitalis purpurea.
Aphis gerardiae Thomas. Hottes, 1931b, p. 217; Thomas, 1879a, p. 66.
Gerardia pedicularia, G. tenuifolia.
Aphis gossypii Glover. Goff, 1932a, p. 10; Griswold, 1927b, p. 14; Hall, 1926a, p. 19; Nevsky, 1929b, p. 396; Patch, 1925b, p. 190.
Antirrhinum, Dodartia orientalis, Nemesia strumosa, Veronica officinalis, V. serphyllifolia.
Aphis kachena Hottes. Knowlton, 1935d, p. 192.
Castilleja.
Aphis laburni Kaltenbach. Nevsky, 1929b, p. 185.
Paulownia.
Aphis linariae Lichtenstein. Wilson, 1918a, p. 102.
Linaria vulgaris.
Aphis maidi-radicis Forbes. / Vickery, 1910a, p. 103.
Linaria canadensis.
Aphis melampyrum-latifolium Rafinesque. Rafinesque, 1817a, p. 361; Wilson, 1918a, p. 109. (See also Hottes, 1931a, p. 62.)
Melampyrum latifolium, M. pratense.
Aphis mimuli Oestlund. Hunter, 1901a, p. 101, 126; Oestlund, 1887a, p. 58.
Mimulus jamesii, M. ringens, M. virgens.
Aphis papaveris Fabricius. Ferrari, 1872a, p. 71; Passerini, 1863a, p. 159.
Digitalis lutea, D. purpurea.
Aphis pedicularis Buckton. Theobald, 1927a, p. 214.
Pedicularis palustris.
Aphis pentstemonicola Gillette and Palmer. Gillette, 1932b, p. 429.
Penstemon.
Aphis pentstemonis Williams. Williams, 1910a, p. 138.
Pentstemon glaber.
Aphis phlomoidea Del Guercio. Del Guercio, 1911a, p. 297.
Verbascum.
Aphis pilosa Walker. Theobald, 1929a, p. 329; Walker, 1849b, p. 54.
Digitalis purpurea.
Aphis ramona Swain. Glendenning, 1929b, p. 56.
Pentstemon diffusus.
Aphis rumicis Linnaeus. Theobald, 1929a, p. 329.
Digitalis lutea, D. purpurea.
Aphis veratri Cowen. Cowen, 1895a, p. 122.
Veratrum californicum.
Aphis verbasci Schrank. Judenko, 1930a, p. 139; Kaltenbach, 1843a, p. 143; Macchiati, 1883a, p. 258; Nevsky, 1929b, p. 204; Passerini, 1863a, p. 344; Werder, 1931a, p. 83; Wilson, 1918a, p. 175.
Verbascum lychnitis, V. nigrum, V. phlomoides, V. sinuatum, V. songaricum, V. thapsiforme, V. thapsus.
Aphis veronicae Nevsky. Nevsky, 1929a, p. 206.
Veronica.
Aphis veronicae Walker. Theobald, 1926a, p. 349; Walker, 1848c, p. 2248.
Veronica chamaedrys.

Fullawayella violae Pergande. Takahashi, 1923a, p. 165.
Mazus japonicus.

Macrosiphum antirrhinii Macchiati. Macchiati, 1883a, p. 228.
Antirrhinum majus, A. orontium.

Macrosiphum constrictum Patch. Patch, 1923c, p. 144.
Pedicularis.

Macrosiphum gei Koch. Hottes, 1931b, p. 307; Theobald, 1926a, p. 111.
Pentstemon, Scrophularia leporella, Veronica.

Macrosiphum linariae Koch. Koch, 1857a, p. 163.
Antirrhinum linaria.

Macrosiphum lophospermum Theobald. Theobald, 1914c, p. 314.
Lophospermum erubescens.

Macrosiphum malvae Mosley. Passerini, 1863b, p. 14.
Calceolaria.

Macrosiphum melampyrum Mordvilko. Mordvilko, 1919a, p. 502–505.
Melampyrum nemorosum.

Macrosiphum orthocarpus Davidson. Davidson, 1909a, p. 305.
Orthocarpus purpurascens.

Macrosiphum pelargonii Kaltenbach. Buckton, 1876a, p. 137; Gaumont, 1929a, p. 275.
Calceolaria.

Macrosiphum scrophulariae Buckton. Buckton, 1876a, p. 138; Theobald, 1926a, p. 143.
Scrophularia scorodonia.

Macrosiphum solanifolii Ashmead. Gillette, 1934a, p. 196; Houser, 1917a, p. 69.
Castilleja, Pentstemon, Verbascum blattaria.

Macrosiphum ulmariae Schrank. Wilson, 1918a, p. 171.
Gratiola officinalis.

Myzus alpinus Gillette and Palmer. Gillette, 1928a, p. 18, 1934a, p. 160.
Castilleja, Orthocarpus luteus, Pedicularis bracteosa.

Myzus cerasi Fabricius. Theobald, 1926a, p. 296.
Euphrasia officinalis.

Myzus circumflexus Buckton. Essig, 1917a, p. 335; Hori, 1929b, p. 89; McDaniel, 1931a, p. 51; Swain, 1919a, p. 165.
Calceolaria europaeum, Digitalis, Pentstemon spectabilis.

Myzus persicae Sulzer. Das, 1918a, p. 168, 272; Essig, 1917a, p. 331; Gillette, 1908a, p. 35; Griswold, 1927b, p. 14, 15; Hori, 1929b, p. 59; 101; Hottes, 1931b, p. 340; Matsumura, 1917b, p. 362; Takahashi, 1931a, p. 69; Wilson, 1918a, p. 125.
Antirrhinum majus, Calceolaria europaeum, Digitalis lutea, D. purpurea, Linaria, Maurandia hendersoni, Mazus, Mimulus, Nemesia strumosa, Paulownia, Pentstemon spectabilis.

Myzus pseudosolani Theobald. Patch, 1928a, p. 57; Theobald, 1929a, p. 338.
Digitalis purpurea, Pentstemon, Verbascum thapsus, Veronica officinalis.

Myzus scrophulariae Thomas. Hottes, 1931b, p. 343.
Scrophularia nodosa.

Myzus veronicae Del Guercio. Del Guercio, 1900a, p. 151; Theobald, 1926a, p. 349.
Veronica.
Myzus veronicellus Theobald. Theobald, 1926a, p. 348, 349.
Veronica beccabunga, V. chamaedrys.
Rhopalosiphum galeactitis Macchiati. Del Guercio, 1911a, p. 298.
Antirrhinum majus.
Rhopalosiphum nymphaeae Linnaeus. Gillette, 1932b, p. 480.
Mimulus floribundus (?), *Veronica.*

LENTIBULARIACEAE

BLADDERWORT FAMILY

Rhopalosiphum nymphaeae Linnaeus. Theobald, 1927a, p. 64.
Utricularia vulgaris.

OROBANCHACEAE

BROOM-RAPE FAMILY

Aphis candicans Passerini. Wilson, 1918a, p. 48.
Orobanche ramosa.
Aphis gossypii Glover. Nevsky, 1929b, p. 171.
Orobanche aegyptiaca.
Aphis middletonii Thomas. Williams, 1891a, p. 7; Wilson, 1918a, p. 110.
Aphyllon, Orobanche.
Aphis orobanches Passerini. Macchiati, 1883a, p. 257; Wilson, 1919a, p. 119.
Lathraea squamaria, Orobanche lutea, O. muteli, O. ramosa.
Aphis phelipaeae Passerini. Wilson, 1918a, p. 126.
Orobanche ramosa.
Aphis splendens Theobald. Hall, 1926a, p. 26.
Orobanche.
Geoica phaseoli Passerini. Hall, 1926a, p. 47.
Orobanche.
Macrosiphum orobanches Lichtenstein. Wilson, 1918a, p. 120.
Orobanche.
Myzus persicae Sulzer. Hall, 1926a, p. 42.
Orobanche.
Prociphilus erigeronensis Thomas. Cutright, 1925a, p. 208.
Epifagus virginianus.

BIGNONIACEAE

BIGNONIA FAMILY

Aphis chloroides Nevsky. Nevsky, 1929a, p. 200.
Bignonia radicans.

Aphis gossypii Glover. Gillette, 1932b, p. 401; Goff, 1932a, p. 10; Hall, 1926a, p. 19.
Catalpa, Spathodea campanulata.
Aphis helianthi Monell. Jones, 1929a, p. 37.
Catalpa.
Aphis laburni Kaltenbach. Nevsky, 1929b, p. 185.
Bignonia radicans.
Aphis nerii Kaltenbach. Wilson, 1918a, p. 114.
Catalpa bignonioides, Tecoma radicans.
Aphis pomi DeGeer. Swain, 1919a, p. 120.
Catalpa.
Aphis punicae Passerini. Nevsky, 1929b, p. 199.
Bignonia radicans.
Aphis spiraecola Patch. Hottes, 1931b, p. 222.
Catalpa speciosa.
Chromaphis juglandicola Kaltenbach. Nevsky, 1929b, p. 395.
Catalpa bignonioides.
Macrosiphum diplanterae Koch. Koch, 1857a, p. 151; Theobald, 1913b, p. 123.
Diplanthera formosa.
Macrosiphum solanifolii Ashmead. Houser, 1917a, p. 69.
Catalpa speciosa.
Myzus persicae Sulzer. Hall, 1926a, p. 41; Horsfall, 1924a, p. 5; Hottes, 1931b, p. 340.
Catalpa speciosa, Markhamia platycalx.
Phorodon cynoglossi Williams. Wilson, 1918a, p. 66.
Catalpa.
Sipha bignoniae Macchiati. Wilson, 1918a, p. 44.
Catalpa bignonioides, Tecoma radicans.

PEDALIACEAE

PEDALIUM FAMILY

Aphis gossypii Glover. Van der Goot, 1916a, p. 96; Nevsky, 1929b, p. 171.
Sesamum indicum.
Myzus persicae Sulzer. Takahashi, 1931a, p. 69.
Sesamum indicum.

GESNERIACEAE

GESNERIA FAMILY

Aphis verticolor Rafinesque. Rafinesque, 1817a, p. 361.
? Glossanthus ("Glossanthia.")
Idiopterus nephrolepidis Davis. Hall, 1926a, p. 44.
Saintpaulia ionantha.
Myzus circumflexus Buckton. Hori, 1929b, p. 59; Hottes, 1931b, p. 401.
Gloxinia digitaliflora, Streptocarpus.

Myzus persicae Sulzer. Hori, 1929b, p. 59.
Gloxinia digitaliflora.

ACANTHACEAE

ACANTHUS FAMILY

Aphis glycines Matsumura. Shinji, 1928a.
Justicia procumbens.
Aphis gossypii Glover. Van der Goot, 1916a, p. 95; Takahashi, 1931a, p. 45.
Acanthus ilicifolius, Hygrophila difformis.
Aphis nerii Kaltenbach. Wilson, 1918a, p. 114.
Acanthaceae.
Macrosiphum diplanterae Koch. Wilson, 1918a, p. 69.
Justicia furcata.
Macrosiphum pelargonii Kaltenbach. Wilson, 1918a, p. 123.
Justicia furcata.
Myzus persicae Sulzer. Hall, 1926a, p. 41.
Justicia alba.

MYOPORACEAE

MYOPORUM FAMILY

Aphis myopori Macchiati. Macchiati, 1883a, p. 255.
Myoporum pictum.

PLANTAGINACEAE

PLANTAIN FAMILY

Anuraphis helichrysi Kaltenbach. Nevsky, 1929b, p. 277.
Plantago.
Anuraphis roseus Baker. Hottes, 1931b, p. 215; Quaintance, 1920a, p. 8.
Plantago lanceolata.
Aphis abbreviata Patch. Patch, 1924a, p. 38.
Plantago major.
Aphis fabae Scopoli. Franssen, 1927a, p. 260; Werder, 1931a, p. 83.
Plantago lanceolata, P. major, P. media.
Aphis gossypii Glover. Patch, 1925b, p. 190; Pergande, 1895a, p. 313; Takahashi, 1923a, p. 98; Theobald, 1927a, p. 144.
Plantago lanceolata, P. major, P. virginica.
Aphis maidi-radicis Forbes. Davis, 1909b, p. 124; Vickery, 1910a, p. 103.
Plantago aristata, P. major, P. rugellii.
Aphis maidis Fitch. Wildermuth, 1932a, p. 6.
Plantago major.
Aphis plantaginifolii Nevsky Nevsky, 1929a, p. 203.
Plantago major.

Aphis plantaginis Schrank. Ferrari, 1872a, p. 66; Theobald, 1927a, p. 132; Werder, 1931a, p. 83.
Plantago lanceolata, P. major, P. media.

Aphis rumicis Linnaeus. Theobald, 1927a, p. 84.
Plantago.

Aphis sorbi Kaltenbach. Lathrop, 1921a, p. 439; Matheson, 1919a, p. 721; Ross, 1915a, p. 23, 1916a, p. 22; Smulyan, 1916a, p. 64.
Plantago lanceolata, P. major, P. rugelii.

Aphis spiraecola Patch. Patch, 1923a, p. 51, 1929a, p. 699.
Plantago major.

Dentatus pulverinus Nevsky. Nevsky, 1929a, p. 216.
Plantago.

Macrosiphum circumflexus Buckton. Swain, 1919a, p. 74.
Plantago.

Macrosiphum solanifolii Ashmead. Houser, 1917a, p. 69; Smith, 1919a, p. 52.
Plantago lanceolata, P. major.

Myzus persicae Sulzer. Hottes, 1931b, p. 397.
Plantago.

Myzus plantagicola Takahashi. Takahashi, 1931a, p. 69.
Plantago major.

Myzus plantagifoliae Shinji. Takahashi, 1931a, p. 69.
Plantago.

Myzus plantagineus Passerini. Macchiati, 1883a, p. 235; Passerini, 1860a, p. 35, 1863a, p. 346; Takahashi, 1931a, p. 69; Theobald, 1929a, p. 337.
Plantago coronopus, P. major, P. media.

Myzus pseudosolani Theobald. Patch, 1928a, p. 57.
Plantago lanceolata, P. major.

Phorodon galeopsidis Kaltenbach. Macchiati, 1883a, p. 232; Passerini, 1863a, p. 257.
Plantago lanceolata, P. psyllium.

RUBIACEAE

MADDER FAMILY

APHIDINAE:

Acyrthosiphon paederiae Takahashi. Takahashi, 1931a, p. 64.
Paederia tomentosa.

Anuraphis sherardiae Theobald. Theobald, 1927a, p. 275.
Sherardia arvensis.

Aphis affinis Del Guercio variety **gardeniae** Del Guercio. Del Guercio, 1913f, p. 161.
Gardenia radicans.

Aphis bicolor Koch. Bayer, 1914a, p. 158.
Galium verum.

Aphis cephalanthi Thomas. Hottes, 1931b, p. 186.
Cephalanthus occidentalis.

Aphis circezandis Fitch. Gillette, 1932b, p. 393.
Galium.
Aphis erecta Del Guercio. Theobald, 1926a, p. 300.
Galium erectum.
Aphis evonymi Fabricius. Franssen, 1927a, p. 260.
Galium aparine.
Aphis fabae Scopoli. Franssen, 1927a, p. 260.
Galium aparine.
Aphis galii Kaltenbach. Judenko, 1930a, p. 136; Kaltenbach, 1843a, p. 88, 1874a, p. 311; Macchiati, 1883a, p. 240; Theobald, 1926a, p. 300, 1927a, p. 32; Wilson, 1918a, p. 246.
Galium aparine, G. cruciata, G. mollugo, G. saccharatum, G. verum.
Aphis gossypii Glover. Baker, 1918d, p. 130; van der Goot, 1916a, p. 95, 96, 295; Laing, 1927b; Pergande, 1895a, p. 315; Takahashi, 1931a, p. 45; Theobald, 1927a, p. 144.
Dentella repens, Diodia teres, Galium circaezans, Gardenia florida, Ixora chinensis, Morinda, Oldenlandia, Ourouparia formosana.
Aphis maidi-radicis Forbes. Vickery, 1910a, p. 103.
Diodia teres, D. virginiana.
Aphis nerii Kaltenbach. Ogilvie, 1927a.
Ipecacuanha.
Aphis odinae van der Goot. Van der Goot, 1916a, p. 116; Takahashi, 1931a, p. 49.
Cinchona ledgeriana, Gardenia florida, Wendlandia paniculata.
Aphis papaveris Fabricius. Börner, 1922a; Kaltenbach, 1843a, p. 83.
Galium aparine.
Aphis rumicis Linnaeus. Van der Goot, 1915a, p. 225; Hottes, 1931b, p. 393; Theobald, 1927a, p. 102; Thomas, 1879a, p. 88; Walker, 1850a, p. 19.
Galium aparine, G. mollugo, G. verum, Rubia.
Aphis scabiosae Scopoli. Wilson, 1918a, p. 154.
Galium cruciata.
Aphis spiraecola Patch. Miller, 1929a, p. 438.
Gardenia.
Longicaudus hameliae Theobald. Theobald, 1929c, p. 178.
Hamelia patens.
Macrosiphum esakii Takahashi. Takahashi, 1924a, p. 101.
Paederia tomentosa.
Macrosiphum galiophagum Wimshurst. Wimshurst, 1924a, p. 62.
Galium aparine.
Macrosiphum rubiellum Theobald. Theobald, 1926a, p. 80.
Galium aparine.
Megoura citricola van der Goot. Takahashi, 1931a, p. 74.
Lasianthus.
Megoura jacobsoni Mason. Mason, 1927a, p. 89.
Gardenia florida.
Myzus cerasi Fabricius. Hottes, 1931b, p. 335; Theobald, 1926a, p. 297, 1926c; Wimshurst, 1924b, p. 65.
Asperula odorata, Galium aparine, G. cruciata, G. palustre.

Myzus galiifolium Theobald. Theobald, 1926a, p. 300.
Galium cruciatum.
Myzus molluginellus Theobald. Theobald, 1926a, p. 302.
Galium.
Myzus molluginis Koch. Koch, 1857a, p. 88; Theobald, 1926a, p. 301; Werder, 1931a, p. 83.
Galium mollugo.
Myzus persicae Sulzer. Das, 1918a, p. 270.
Galium mollugo.
Rhopalosiphum nymphaeae Linnaeus. Hottes, 1931b, p. 393.
Galium.
Toxoptera aurantiae Koch. Fullaway, 1910a, p. 32.
Coffea, Straussia.
Toxoptera aurantii Boyer. Van der Goot, 1916a, p. 78, 295; Wilson, 1918a, p. 39.
Cinchona ledgeriana, Coffea arabica, Gardenia florida, Straussia.

ERIOSOMATINAE:
Pemphigus cinchona Buckton. Buckton, 1889a, p. 6; Wilson, 1918a, p. 57.
Cinchona.

CAPRIFOLIACEAE

HONEYSUCKLE FAMILY

APHIDINAE (APHIDINI):
Alphitoaphis lonicericola Williams. Hottes, 1926b, p. 116, 1931b, p. 175; Williams, 1910a, p. 45.
Lonicera dioica, L. parviflora.
Amphicercidus flocculosa Gillette and Palmer. Gillette, 1932b, p. 373.
Lonicera.
Amphicercidus pulverulens Gillette. Gillette, 1911a, p. 324; Glendenning, 1929b, p. 56; Hottes, 1931b, p. 160.
Symphoricarpos occidentalis, S. orbiculatus, S. racemosus.
Amphorophora cosmopolitana Mason. Mason, 1925a, p. 26.
Viburnum opulus.
Amphorophora lonicerae Siebold. Theobald, 1926a, p. 206; Werder, 1931a, p. 47.
Lonicera tatarica, L. xylosteum.
Amphorophora lonicericola Takahashi. Takahashi, 1930c, p. 274.
Lonicera maacki.
Amphorophora magnoliae Essig and Kuwana. Essig, 1918a, p. 42; Takahashi, 1923a, p. 86.
Sambucus racemosa.
Amphorophora viburni Takahashi. Takahashi, 1931a, p. 73.
Viburnum arboricolum.
Anuraphis exul Walker. Theobald, 1927a, p. 265.
Sambucus nigra.

Anuraphis japonica Hori. Hori, 1927a, p. 195.
Lonicera morrowii.
Anuraphis roseus Baker. Theobald, 1927a, p. 298.
Viburnum opulus.
Aphis advena Walker. Walker, 1849b, p. 48.
Sambucus nigra.
Aphis albipes Oestlund. Cowen, 1895a, p. 117; Essig, 1917a, p. 336; Hunter, 1901a, p. 132; Oestlund, 1887a, p. 52.
Symphoricarpos occidentalis, S. pauciflorus, S. racemosus, S. symphoricarpos, S. vulgaris.
Aphis artemisicola Williams. Jones, 1929a, p. 26.
Symphoricarpos.
Aphis davisiana Del Guercio. Del Guercio, 1913f, p. 159.
Sambucus.
Aphis diervilla-lutea Rafinesque. Hottes, 1931a, p. 62; Rafinesque, 1817a.
Diervilla lutea.
Aphis evonymi Fabricius. Swain, 1919a, p. 176; Wilson, 1918a, p. 351.
Viburnum latana, V. lauristinus.
Aphis fabae Scopoli. Franssen, 1927a, p. 261; Roepke, 1928a, p. 7; Werder, 1931a, p. 84.
Viburnum macrocephalum, V. opulus.
Aphis gossypii Glover. Essig, 1917a, p. 339; Hottes, 1931b, p. 196.
Diervilla, Lonicera.
Aphis grossulariae Kaltenbach. Theobald, 1927a, p. 171.
Viburnum opulus.
Aphis hederae Kaltenbach. Jones, 1929a, p. 43.
Viburnum opulus.
Aphis ilicis Kaltenbach. Roepke, 1928a, p. 15.
Viburnum opulus.
Aphis illinoisensis Shimer. Baker, 1917e, p. 84; Hottes, 1931b, p. 198.
Viburnum prunifolium.
Aphis impacta Walker. Wilson, 1918a, p. 92.
Sambucus nigra.
Aphis incognita Hottes and Frison. Gillette, 1932b, p. 408.
Symphoricarpos occidentalis.
Aphis laburni Kaltenbach. Nevsky, 1929b, p. 185.
Sambucus nigra.
Aphis lantanae Koch. Theobald, 1927a, p. 118; Wilson, 1918a, p. 98.
Viburnum lantana, V. opulus, V. tinus.
Aphis lantanaella Theobald. Theobald, 1927a, p. 120.
Viburnum lantana, V. opulus.
Aphis lonicerae Boyer. Boyer, 1841a, p. 167. (Hottes, 1930a, p. 181, "Apparently unknown.")
Lonicera.
Aphis mordwilkoi Börner and Janisch. Judenko, 1930a, p. 139.
Viburnum opulus.

Aphis odinae van der Goot. Van der Goot, 1916a, p. 116; Takahashi, 1931a, p. 49.
Viburnum coriaceum, V. formosanum.

Aphis picta Walker. Wilson, 1918a, p. 128.
Sambucus nigra.

Aphis pomi DeGeer. Essig, 1917a, p. 341. (See footnote, Swain, 1919a, p. 126.)
Viburnum tinus.

Aphis rumicis Linnaeus. Gillette, 1932b, p. 440; van der Goot, 1915a, p. 225; Theobald, 1927a, p. 86.
Viburnum lantana, V. opulus, V. opulus var. *americana.*

Aphis sambucaria Passerini. Theobald, 1927a, p. 151.
Sambucus nigra.

Aphis sambuci Linnaeus. Blanchard, 1923a, p. 43; Cholodkovsky, 1910b, p. 146; Glendenning, 1929b, p. 56; Matsumura, 1917b, p. 358; Sanborn, 1904a, p. 60; Takahashi, 1923a, p. 60, 105; Theobald, 1927a, p. 96.
Sambucus australis, S. canadensis, S. ebulus, S. nigra, S. racemosa, S. thunbergiana.

Aphis sambucifoliae Fitch. Davis, 1910d, p. 490; Essig, 1917a, p. 342; Gillette, 1932b, p. 442; Hottes, 1931b, p. 218; Sanborn, 1904a, p. 53.
Sambucus canadensis, S. glauca, S. microbotrys, S. nigra, S. racemosa.

Aphis sanborni Patch. Olsen, 1921a, p. 18.
Sambucus canadensis.

Aphis somei Essig and Kuwana. Essig, 1918a, p. 76; Takahashi, 1923a, p. 110, 111.
Viburnum formosanum, V. sieboldi, V. tomentosum.

Aphis spiraecola Patch. Gillette, 1932b, p. 447; Hottes, 1931b, p. 222; Patch, 1923a, p. 52, 1929a, p. 699.
Sambucus canadensis, Viburnum dentatum, V. opulus.

Aphis viburni Scopoli. Judenko, 1930a, p. 139; Roepke, 1928a, p. 14; Theobald, 1927a, p. 116; Wilson, 1918a, p. 176.
Viburnum lantana, V. opulus, V. roseum.

Aphis viburnicola Gillette. Gillette, 1932b, p. 453; Hottes, 1931b, p. 402; Werder, 1931a, p. 84.
Viburnum lantana, V. lentago, V. opulus.

Aphis viburnicolens Swain. Swain, 1919a, p. 126.
Viburnum tinus.

Aphis viburniphila Patch. Hottes, 1931b, p. 224; Patch, 1917a, p. 417.
Viburnum acerifolium, V. cassinoides, V. dentatum, V. opulus, V. plicatum, V. pubescens.

Aphis viburnum-acerifolium Rafinesque. Rafinesque, 1818a, p. 16; Wilson, 1918a, p. 176.
Viburnum acerifolium, V. opulus.

Aphis viburnum-opulus Rafinesque. Rafinesque, 1818a, p. 16; Wilson, 1918a, p. 177.
Viburnum opulus.

Brevicoryne symphoricarpi Thomas. Gillette, 1932b, p. 408, 465; Hunter, 1901a, p. 132; Oestlund, 1887a, p. 51; Williams, 1910a, p. 60.
Symphoricarpos occidentalis, S. pauciflorus, S. racemosus, S. vulgaris.

Ceruraphis viburniana Franssen. Roepke, 1928a, p. 25.
Viburnum.

Ceruraphis viburnicola Börner. Roepke, 1928a, p. 26.
Viburnum carlesii, V. dentatum, V. lantana, V. macrocephalum, V. opulus.

Hyadaphis xylostei Schrank. Hottes, 1931b, p. 238; Macchiati, 1883a, p. 259; Passerini, 1863a, p. 252; Patch, 1923b, p. 301; Theobald, 1927a, p. 54.
Lonicera caprifolium, L. flava, L. japonica, L. periclymenum, L. sempervirens, L. tatarica, L. xylosteum, Symphoricarpos.

Macrosiphum diervillae Patch. Patch, 1919b, p. 210.
Diervilla lonicera.

Macrosiphum lonicerae Uyé. Uye, 1923a.
Lonicera japonica.

Macrosiphum muredachi Shinji. Shinji, 1928c.
Lonicera praecox.

Macrosiphum stanleyi Wilson. Essig, 1917a, p. 329; Gillette, 1934a, p. 197; Glendenning, 1929b, p. 57; Wilson, 1915b, p. 82.
Sambucus glauca, S. melanocarpa, S. microbotrys, S. racemosa.

Myzopsis diervillae Matsumura. Matsumura, 1918a, p. 20.
Diervilla japonica.

Myzus persicae Sulzer. Gillette, 1908a, p. 35; Hottes, 1931b, p. 399.
Sambucus canadensis, Viburnum opulus.

Myzus pseudosolani Theobald. Patch, 1928a, p. 57.
Viburnum opulus.

Myzus solani Kaltenbach. Bartholomew, 1932a, p. 727.
Symphoricarpos.

Phorodon viburni Matsumura. Matsumura, 1918a, p. 15.
Viburnum.

Rhopalosiphoninus alpigenae Börner. Werder, 1931a, p. 84.
Lonicera alpigena.

Rhopalosiphum grabhami Cockerell. Cockerell, 1903c, p. 343; Gillette, 1932b, p. 483.
Lonicera involucrata, L. utahensis.

Rhopalosiphum melliferum Hottes. Gillette, 1932b, p. 484; Hottes, 1931b, p. 238.
Lonicera flava, L. sempervirens, Symphoricarpos, Xylosteum.

Rhopalosiphum pastinaceae Koch. Wilson, 1918a, p. 123.
Lonicera.

Rhopalosiphum sambuci Matsumura. Matsumura, 1918a, p. 19.
Sambucus racemosa.

Rhopalosiphum sambucicola Takahashi. Takahashi, 1919b, p. 176.
Sambucus racemosa.

Rhopalosiphum smilacis Matsumura. Matsumura, 1918a, p. 9.
Viburnum.

Siphocoryne pastinacae Linnaeus. Gillette, 1918a, p. 94.
Lonicera xylosteum.
Toxoptera aurantii Boyer. Blanchard, 1925a, p. 22; Takahashi, 1931a, p. 50.
Viburnum odoratissimum, V. tinus.
Trichosiphonaphis polygoniformosanus Takahashi. Takahashi, 1931a, p. 72.
Lonicera japonica.

APHIDINAE (CALLIPTERINI):
Drepanosiphum platanoides Schrank. Werder, 1931a, p. 84.
Sambucus nigra.
Euceraphis variabilis Glendenning. Glendenning, 1926a.
Sambucus racemosa.
Gypsoaphis lonicerae Monell. Oestlund, 1922a, p. 126.
Lonicera glauca.
Gypsoaphis oestlundi Hottes. Hottes, 1931b, p. 167.
Lonicera.

ERIOSOMATINAE:
Pemphigus diani Ferrari. Wilson, 1918a, p. 233.
Diervilla lutea.
Prociphilus xylostei DeGeer. Mordvilko, 1935a, p. 92; Patch, 1917a, p. 418; Tullgren, 1909a, p. 94; Werder, 1931a, p. 84.
Lonicera tatarica, L. xylosteum.

VALERIANACEAE

VALERIAN FAMILY

APHIDINAE:
Aphis fabae Scopoli. Franssen, 1927a, p. 259; Werder, 1931a, p. 84.
Centranthus coccineus, Kentranthus ruber, Valeriana officinalis.
Aphis gossypii Glover. Takahashi, 1928a, No. 21.
Valeriana valerianifolia.
Aphis papaveris Fabricius. Theobald, 1926a, p. 106.
Centranthus.
Aphis pseudovalerianae Gillette and Palmer. Gillette, 1932b, p. 434.
Valeriana.
Aphis rumicis Linnaeus. Theobald, 1915c (reprint p. 6).
Centranthus calcitrapa, Valeriana officinalis.
Aphis valerianae Cowen. Gillette, 1932b, p. 451.
Valeriana ceratophylla, V. edulis, V. trachycarpa.
Aphis valerianina Del Guercio. Del Guercio, 1911a, p. 297.
Valeriana trachycarpa.
Illinoia solanifolii Ashmead. Gould, 1930a, p. 816.
Valerianella olitoria.
Macrosiphum centranthi Theobald. Theobald, 1915c (reprint p. 5).
Centranthus ruber, Valeriana officinalis.

Macrosiphum gobonis Matsumura. Takahashi, 1928a, No. 5.
Valeriana valerianifolia.
Macrosiphum rosae Linnaeus. Essig, 1917a, p. 329; Ferrari, 1872a, p. 54; Theobald, 1915c (reprint p. 6).
Centranthus ruber, Valeriana.
Macrosiphum rushkovskii Mordvilko. Mordvilko, 1919a, p. 487.
Valeriana alliariaefolia.
Macrosiphum valerianiae Clarke. Clarke, 1903a, p. 253; Gillette, 1932b, p. 451, 1934a, p. 200.
Valeriana ceratophylla, V. edulis, V. officinalis.
Myzus persicae Sulzer. Essig, 1917a, p. 332; Gould, 1930a, p. 814; Theobald, 1926a, p. 323.
Centranthus ruber, Valeriana pyrenaica, V. olitoria.
Rhopalosiphum pseudobrassicae Davis. Gould, 1930a, p. 824.
Valeriana olitoria.

DIPSACACEAE

TEASEL FAMILY

APHIDINAE:
Aphis chloris Koch. Wilson, 1918a, p. 55.
Scabiosa columbaria.
Aphis confusa Walker. Theobald, 1927a, p. 219.
Scabiosa arvensis.
Aphis conspersa Walker. Theobald, 1927a, p. 309.
Scabiosa arvensis.
Aphis ochropus Koch. Theobald, 1927a, p. 155.
Dipsacus sylvestris.
Aphis rumicis Linnaeus. Theobald, 1927a, p. 102; Walker, 1850a, p. 19.
Dipsacus, Scabiosa.
Aphis scabiosae Schrank. Van der Goot, 1915a, p. 230; Passerini, 1863a, p. 338; Theobald, 1927a, p. 180; Werder, 1931a, p. 84; Zirnits, 1927a, p. 245.
Knautia arvensis, Scabiosa arvensis, S. columbaria.
Macrosiphum cyparissiae Buckton (non Koch). Theobald, 1926a, p. 82.
Scabiosa succisa.
Macrosiphum jaceae Linnaeus. Theobald, 1926a, p. 60.
Scabiosa arvensis.
Macrosiphum rosae Linnaeus. Essig, 1917a, p. 329; Ferrari, 1872a, p. 54; Kaltenbach, 1843a, p. 4; Passerini, 1863a, p. 338; Theobald, 1926a, p. 60.
Dipsacus fullonum, D. pilosus, D. strigosus, D. sylvestris, Scabiosa arvensis, S. columbaria, S. officinali, S. succisa.
Macrosiphum rudbeckiae Fitch. Wilson, 1918a, p. 149.
Dipsacus fullonum.
Macrosiphum solidaginis Fabricius. Theobald, 1926a, p. 60.
Scabiosa arvensis.

Macrosiphum tanaceticolum Kaltenbach. Zirnits, 1927a, p. 206.
Succisa pratensis.
Myzus persicae Sulzer. Essig, 1917a, p. 332.
Dipsacus fullonum.

CUCURBITACEAE

GOURD FAMILY

APHIDINAE:
Acyrtosiphon vasiljevi Mordvilko. Nevsky, 1929b, p. 396.
Cucurbita pepo.
Aphis abbreviata Patch. Patch, 1924a, p. 38.
Cucumis sativus, Cucurbita maxima.
Aphis ascita Walker. Patch, 1925b, p. 195; Walker, 1852a, p. 1045; Wilson, 1918a, p. 37.
Cucumis melo, C. sativus.
Aphis fabae Scopoli. Franssen, 1927a, p. 260.
Cucumis sativus, Cucurbita pepo.
Aphis flava Nevsky. Nevsky, 1929b, p. 168.
Cucumis sativus, Cucurbita pepo.
Aphis gossypii Glover. Das, 1918a, p. 271; Gillette, 1932b, p. 401; van der Goot, 1916a, p. 96, 295; Hall, 1926a, p. 19; Hori, 1929b, p. 111; Hottes, 1931b, p. 194; Jones, 1929a, p. 33, 41; Mason, 1921a, p. 23; Nevsky, 1929b, p. 396; Okamoto, 1927a, p. 137; Patch, 1925b, p. 190.
Benincasa hispida, Citrullus vulgaris, Cucumis citrullus, C. melo, C. sativus, Cucurbita maxima, C. meloriticulatrus, C. moschata, C. pepo, Echinocystis fabata, E. lobata, Lagenaria vulgaris, Luffa acutangula, Melothria maderaspatana.
Aphis illata Walker. Buckton, 1879a, p. 57; Patch, 1925b, p. 195.
Cucurbita pepo.
Aphis laburni Kaltenbach. Nevsky, 1929b, p. 185, 396.
Cucumis citrullus, C. melo, C. sativus, Cucurbita pepo.
Aphis maidi-radicis Forbes. Gillette, 1932b, p. 415; Vickery, 1910a, p. 111; Wilson, 1918a, p. 107.
Cucumis melo, Cucurbita maxima, C. pepo.
Aphis malvae Koch. Das, 1918a, p. 270, 271; Takahashi, 1923a, p. 99.
Cucumis sativus, Cucurbita moschata, Lagenaria vulgaris, Luffa acutangula.
Aphis rumicis Linnaeus. Gillette, 1932b, p. 440; Patch, 1925b, p. 196; Wilson, 1918a, p. 150; Zirnits, 1927a, p. 245.
Benincasa cerifera, Cucumis sativus, Cucurbita maxima.
Aphis spiraecola Patch. Hottes, 1931b, p. 222.
Cucumis sativus.
Aphis symphiti Schrank. Theobald, 1927a, p. 133.
Citrullus vulgaris, Cucurbita clypeiformis, C. maxima, C. pepo.
Macrosiphum cucurbitae Middleton. Britton, 1933a, p. 163; Patch, 1925a,

p. 26; Soliman, 1927a, p. 131; Swain, 1919a, p. 62; Thomas, 1879a, p. 67.

Cucurbita maxima, C. pepo.

Macrosiphum cyparissiae Koch var. **cucurbitae** Del Guercio. Del Guercio, 1913b, p. 194.

"Zucche, i Cetrioli, i Poponi ed i Melloni."

Macrosiphum echinocysti Bartholomew. Bartholomew, 1932a, p. 720.

Echinocystis.

Macrosiphum gei Koch. Hottes, 1931b, p. 392.

Cucurbita maxima, C. pepo.

Macrosiphum matsumuraeanum Hori. Hori, 1926a, p. 61, 1929b, p. 68.

Cucurbita moschata, C. pepo.

Macrosiphum solanifolii Ashmead. Britton, 1933a, p. 153, 163; Gillette, 1934a, p. 196; Gould, 1930a, p. 816; Patch, 1921a, p. 330.

Cucumis sativus, Cucurbita maxima, C. pepo, Echinocystis.

Myzus persicae Sulzer. Gillette, 1908a, p. 36; Gould, 1930a, p. 814; Hori, 1929b, p. 101; Knowlton, 1929b, p. 9; Wilson, 1918a, p. 6.

Citrillus vulgaris, Cucumis melo, Cucurbita maxima, C. moschata, C. pepo.

Rhopalosiphum nymphaeae Linnaeus. Nevsky, 1929b, p. 396.

Cucumis sativus.

Xerophilaphis plotnikovi Nevsky. Nevsky, 1928b, p. 13.

Cucurbits.

CAMPANULACEAE

BLUEBELL FAMILY

APHIDINAE:

Anuraphis helichrysi Kaltenbach. Takahashi, 1925a, p. 60.

Lobelia pyramidalis.

Aphis campanula-riparia Rafinesque. Hottes, 1931a, p. 63; Wilson, 1918a, p. 48.

Campanula rotundifolia.

Aphis fabae Scopoli. Franssen, 1927a, p. 259; Werder, 1931a, p. 84.

Campanula medium, C. trachelium.

Aphis gossypii Glover. Hottes, 1931b, p. 196.

Lagenaria vulgaris.

Aphis grossulariae Kaltenbach. Haviland, 1919a, p. 267.

Campanula.

Aphis papaveris Fabricius. Börner, 1922a.

Campanula.

Macrosiphum adenophorae Matsumura. Matsumura, 1918a, p. 3.

Adenophora verticillata.

Macrosiphum campanulae Kaltenbach. Judenko, 1930a, p. 135; Macchiati, 1883a, p. 229; Nevsky, 1929b, p. 64; Theobald, 1926a, p. 158; Wilson, 1918a, p. 48.

Campanula erinus, C. glomerata, C. persicifolia, C. rotundifolia, C. trachelium, Specularia speculum.

Macrosiphum gei Koch. Hottes, 1931b, p. 395.
Lagenaria vulgaris.
Macrosiphum jaceae Linnaeus. Van der Goot, 1915a, p. 74; Passerini, 1863a, p. 153; Wilson, 1918a, p. 94.
Campanula trachelium.
Macrosiphum nigrocampanulae Theobald. Theobald, 1929a, p. 325.
Campanula latifolia.
Macrosiphum rudbeckiae Fitch. Essig, 1918a, p. 41.
Platycodon grandiflorum.
Macrosiphum solidaginis Fabricius. Van der Goot, 1915a, p. 92; Wilson, 1918a, p. 159.
Campanula rotundifolia.
Macrosiphum sonchi Linnaeus. Wilson, 1918a, p. 159.
Campanula erinus, C. rotundifolia, C. trachelium, Specularia speculum.
Myzus pseudosolani Theobald. Patch, 1928a, p. 57.
Campanula rapunculoides.
Myzus taiwanus Takahashi. Takahashi, 1931a, p. 71.
Campanumoea javanica.
Rhopalosiphoninus tuberculatus Theobald. Theobald, 1929a, p. 331.
Campanula latifolia.

COMPOSITAE

COMPOSITE FAMILY

APHIDINAE (APHIDINI):
Acyrthosiphon cirsicola Takahashi. Takahashi, 1931a, p. 64.
Arctium lappa, Circium japonicum, Petasites tricholobus.
Acyrthosiphon cirsifoliae Shinji. Shinji, 1935d, p. 249.
Circium.
Acyrthosiphon scariolae Nevsky. Nevsky, 1929a, p. 198.
Lactuca scariola.
Adactynus katonkae Hottes. Hottes, 1933a, p. 14.
Aster laevis.
Amphorophora accidentalis Knowlton. Knowlton, 1929c, p. 40.
Artemisia tridentata.
Amphorophora aridus Knowlton. Knowlton, 1929c, p. 40.
Artemisia tridentata.
Amphorophora arnicae Glendenning. Gillette, 1934a, p. 136; Glendenning, 1926a, p. 97; Hottes, 1933a, p. 11.
Arnica amplexicaulis.
Amphorophora braggi Mason. Mason, 1925a, p. 14.
Lactuca sativa.
Amphorophora carduellina Theobald. Mason, 1925a, p. 14.
Carduus, Sonchus.
Amphorophora cosmopolitana Mason. Gould, 1930a, p. 829; Hottes, 1931b, p. 275; Knowlton, 1928d, p. 81; Mason, 1925a, p. 26.
Cichorium endiva, Lactuca sativa, Lampsana vulgaris, Picris hieracioides, Sonchus asper, S. oleraceus, Taraxacum.

Amphorophora grindeliae Williams. Gillette, 1934a, p. 139.
Grindelia squarrosa.
Amphorophora hieraceoides Theobald. Theobald, 1926a, p. 187.
Hieracium.
Amphorophora lactucae Kaltenbach. Werder, 1931a, p. 84.
Sonchus oleraceus.
Amphorophora nabali Oestlund. Hottes, 1931b, p. 275.
Prenanthes alba.
Amphorophora neoartemisiae Takahashi. Takahashi, 1931a, p. 74.
Artemisia capillaris.
Amphorophora oleraceae van der Goot. Mason, 1925a, p. 48; Takahashi, 1923a, p. 84, 164, 1931a, p. 73.
Lactuca brevirostris, L. debilis, L. scariola, Sonchus arvensis, S. oleraceus.
Amphorophora sonchi Oestlund. Gillette, 1934a, p. 142; Oestlund, 1886a, p. 34.
Lactuca, Sonchus asper, S. oleraceus.
Anuraphis achilleae Fabricius. Theobald, 1927a, p. 274.
Achillea millefolium.
Anuraphis ammobii Hori. Hori, 1929b, p. 145.
Ammobium alatum.
Anuraphis angelicae Koch. Theobald, 1927a, p. 232.
Arctium lappa.
Anuraphis bellis Buckton. Theobald, 1927a, p. 285.
Bellis perennis, Chrysanthemum leucanthemum.
Anuraphis cardui Koch. Mordvilko, 1928c, p. 578.
Carduus, Senecio.
Anuraphis centauriella Theobald. Theobald, 1927a, p. 260.
Centaurea nigra.
Anuraphis cynarae Theobald. Hall, 1926a, p. 9.
Cynara scolymus.
Anuraphis cynariella Theobald. Theobald, 1927a, p. 237.
Cynara scolymus.
Anuraphis farfarae Koch. Theobald, 1927a, p. 283; Wilson, 1918a, p. 74.
Adenostyles albida, Tussilago farfara.
Anuraphis ferganica Mordvilko. Nevsky, 1929b, p. 402.
Tragopogon.
Anuraphis filaginea Del Guercio. Del Guercio, 1911a, p. 297.
Filago gallica.
Anuraphis formosanus Takahashi. Takahashi, 1931a, p. 40.
Blumea balsamifera.
Anuraphis gutierrezis Pack and Knowlton. Pack, 1929a, p. 200.
Gutierrezia longifolia.
Anuraphis helichrysi Kaltenbach. Gillette, 1932b, p. 405; van der Goot, 1916a, p. 122, 279; Hall, 1926a, p. 11; Kaltenbach, 1843a, p. 102, 1874a, p. 368; Macchiati, 1883a, p. 240; Smith, 1922a, p. 5; Takahashi, 1923a, p. 173, 1924a, p. 46, 1931a, p. 40; Theobald, 1927a, p. 223, 224, 250, 260; Werder, 1931a, p. 84; Wilson, 1918a, p. 88.

Achillea ligustica, A. millefolium, A. odorata, A. ptarmica, Ageratum conyzoides, Ambrosia artemisiifolia, Anthemis tinctoria, Artemisia abrotanum, Aster indicus, Bellis, Bidens cernua, B. frondosa, B. pilosa, B. tripartita, Carduus, Centaurea cyanus, C. nigra, Chrysanthemum balsamita, Cineraria, Dahlia, Erechtites, Erigeron canadensis, Eupatorium formosanum, Filago germanica, Gerbera, Gnaphalium uliginosum, Helianthus annuus, Helichrysum arenarium, H. bracteatum, H. chrysanthemum, H. italicum, H. stoechas, Helipterum roseum, Hieracium umbellatum, Matricaria, Petasites vulgaris, Senecio jacobaea, S. tenuifolius, S. vulgaris, Solidago canadensis, Tanacetum vulgare, Vernonia chinensis.

Anuraphis lappae Koch. Ferrari, 1872a, p. 74; Theobald, 1927a, p. 262; Wilson, 1918a, p. 99.

Arctium lappa, A. minus, Lappa minor, Petasites albus.

Anuraphis leontodoniella Theobald. Theobald, 1927a, p. 277.

Taraxacum officinale.

Anuraphis leucanthemi Scopoli. Werder, 1931a, p. 84.

Senecio erucifolius, S. jacobaea.

Anuraphis persicae Boyer. Nevsky, 1929b, p. 283.

Carduus.

Anuraphis piricola Okamoto and Takahashi. Hori, 1929b, p. 16.

Artemisia vulgaris.

Anuraphis ranunculi Kaltenbach. Theobald, 1927a, p. 307.

Taraxacum.

Anuraphis rumicella Theobald. Theobald, 1927a, p. 271.

Helianthus tuberosus.

Anuraphis senecio-radicis Gillette and Palmer. Gillette, 1932b, p. 443.

Senecio spartioides.

Anuraphis tanacetina Walker. Buckton, 1879a, p. 63; Theobald, 1927a, p. 284.

Chrysanthemum, Cineraria, Tanacetum vulgare.

Anuraphis tragopogonis Kaltenbach. Ferrari, 1872a, p. 74; Judenko, 1930a, p. 138; Theobald, 1911b, 1927a, p. 267; Wilson, 1918a, p. 168.

Scorzonera, Tragopogon dubius, T. major, T. orientalis, T. porrifolius, T. pratensis.

Anuraphis vacillans Walker. Theobald, 1927a, p. 289.

Tussilago farfara.

Anuraphis viridana Nevsky. Nevsky, 1929a, p. 221.

Cousinia.

Anuraphis xanthii Del Guercio. Blanchard, 1922b, p. 58; Del Guercio, 1913f, p. 157.

Xanthium.

Aphis abbreviata Patch. Patch, 1924a, p. 38–39.

Anthemis cotula, Arctium minus, Bidens frondosa, Callistephus hortensis, Chrysanthemum leucanthemum, Cirsium arvense, Dahlia variabilis, Gnaphalium uliginosum, Helianthus annuus, Helichrysum bracteatum, Leontodon autumnalis, Matricaria suaveolens, Tragopogon porrifolius, Zinnia elegans.

Aphis acanthi Schrank. Wilson, 1918a, p. 28.
Cirsium arvense, Cnicus oleraceus.
Aphis adjecta Walker. Jackson, 1919a, p. 160.
Chrysanthemum.
Aphis ageratoidis Oestlund. Hottes, 1931b, p. 390, 391, 393; Oestlund, 1887a, p. 68.
Bidens, Brickellia grandiflora, Eupatorium ageratoides, E. urticaefolium.
Aphis alienus Theobald. Theobald, 1927a, p. 191.
Tussilago.
Aphis andreinii Del Guercio. Del Guercio, 1917a, p. 217.
Coreopsis.
Aphis artemisicola Williams. Gillette, 1932b, p. 381; Jones, 1929a, p. 27.
Artemisia cana, A. longifolia, A. tridentata, Chrysothamnus.
Aphis asterensis Gillette and Palmer. Gillette, 1932b, p. 382.
Aster multiflorus.
Aphis astericola Tissot. Tissot, 1933a, p. 59.
Aster.
Aphis beccabungae Koch. Macchiati, 1883a, p. 238.
Chrysanthemum coronarium.
Aphis bellidis Mosley. Wilson, 1918a, p. 41.
(*Bellis perennis?*).
Aphis bidentis Theobald. Theobald, 1929c, p. 197.
Bidens pilosa.
Aphis brevisiphona Theobald. Theobald, 1927a, p. 400.
Matricaria.
Aphis calendulicola Monell. Monell, 1879a, p. 24; Swain, 1919a, p. 96; Wilson, 1918a, p. 47.
Bidens laevis, Calendula arvensis, C. micrantha, C. officinalis, Chrysanthemum.
Aphis canae Williams. Gillette, 1932b, p. 385.
Artemisia cana, A. filifolia, A. longifolia, A. tridentata.
Aphis capsellae Kaltenbach. Macchiati, 1883a, p. 238.
Callistephus hortensis.
Aphis carduella Walsh. Hottes, 1931b, p. 183, 184; Thomas, 1879a, p. 100.
Cirsium altissimum, C. lanceolatum.
Aphis cardui Linnaeus. Franssen, 1927a, p. 260; Gaumont, 1929a, p. 274; van der Goot, 1915a, p. 255; Hottes, 1931b, p. 185, 392; Judenko, 1930a, p. 136; Kaltenbach, 1843a, p. 115–116; Lambers, 1931c, p. 4; Lichtenstein, 1884a; Macchiati, 1883a, p. 239; Matsumura, 1917b, p. 356; Nevsky, 1929b, p. 272; Passerini, 1863a, p. 150, 156, 338; Patch, 1914a, p. 263; Roepke, 1928a, p. 13; Theobald, 1927a, p. 235; Williams, 1910a, p. 41; Wilson, 1918a, p. 49–50.
Anthemis maritima, A. tinctoria, Antrospermum floribundum, Arctium lappa, Carduus acanthoides, C. crispus, C. nutans, Chrysanthemum indicum, C. leucanthemum, C. uliginosum, Cineraria cruenta, Cirsium arvense, C. lanceolatum, C. muticum, C. oleraceum, Cnicus, Cosmos, Cousinia microcarpa, Cynara cardunculus, C. scolymus, Doronicum

cruentum, Eupatorium, Hieracium umbellatum, Lappa minor, Matricaria chamomilla, Onopordon acanthium, O. illyricum, Pyrethrum, Scolymus hispanicus, Senecio erucifolius, S. jacobaea, S. vulgaris, Solidago.

Aphis castanea Koch. Koch, 1857a, p. 132; Schouteden, 1906a, p. 220.
Carduus.

Aphis centaureae Koch. Koch, 1857a, p. 63; Macchiati, 1883a, p. 239; Wilson, 1918a, p. 53.
Centaurea melitensis, C. scabiosa, C. sphaerocephala, Crepis biennis.

Aphis chamomillae Koch. Werder, 1931a, p. 36; Wilson, 1918a, p. 55.
Anthemis nobilis, Matricaria chamomilla.

Aphis chrysanthemicola Williams. Williams, 1910a, p. 40.
Chrysanthemum.

Aphis chrysothamni Wilson. Wilson, 1915a, p. 101.
Chrysothamnus lanceolatus.

Aphis chrysothamnicola Gillette and Palmer. Gillette, 1932b, p. 392; Knowlton, 1929c, p. 38.
Artemisia tridentata, Chrysothamnus graveolens.

Aphis cirsina Ferrari. Ferrari, 1872b, p. 226.
Cirsium arvense.

Aphis cnici Schrank. Wilson, 1918a, p. 58.
Cnicus oleraceus.

Aphis collega Walker. Walker, 1848c, p. 2218.
Artemisia maritima.

Aphis commoda Walker. Walker, 1848c, p. 2219.
Artemisia maritima.

Aphis compositae Theobald. Theobald, 1915a, p. 124.
"Compositae (species unknown)."

Aphis compositellae Theobald. Theobald, 1927a, p. 195.
Sonchus, "and other Compositae."

Aphis consolidae Passerini. Ferrari, 1872a, p. 70; Passerini, 1863a, p. 341.
Matricaria chamomilla.

Aphis coreopsidis Thomas. Bartholomew, 1932a, p. 726; Davis, 1910d, p. 483; Hottes, 1931b, p. 188; Thomas, 1879a, p. 59; Wilson, 1918a, p. 61.
Bidens bipinnata, B. frondosa, B. pilosa, B. vulgata, Coreopsis aristosa, Eupatorium urticaefolium.

Aphis coronopifoliae Bartholomew. Bartholomew, 1932a, p. 717.
Cotula coronopifolia.

Aphis cryptus Pack and Knowlton. Knowlton, 1935c, p. 139; Pack, 1929a, p. 199.
Chrysothamnus nauseosus, Gutierrezia longifolia.

Aphis dahliae Mosley. Horsfall, 1925a, p. 13; Mosley, 1841a, p. 628.
Dahlia.

Aphis debilicornis Gillette and Palmer. Gillette, 1932b, p. 395.
Helianthus annuus, H. tuberosus.

Aphis diminuta Walker. Wilson, 1918a, p. 69.
Senecio vulgaris.

Aphis eriogoni Cowen. Gillette, 1932b, p. 396.
Eriogonum alatum, E. bakeri, E. effusum, E. inflatum, E. umbellatum.

Aphis eupatorii Oestlund. Oestlund, 1887a, p. 59.
Eupatorium perfoliatum.

Aphis euphorbiae Kaltenbach. Wilson, 1918a, p. 73.
Erigeron canadensis.

Aphis evonymi Fabricius. Börner, 1922a; Franssen, 1927a, p. 259, 260; Nevsky, 1929b, p. 395; Swain, 1919a, p. 101.
Anthemis, Calendula officinale, Carduus, Centaurea iberica, Chrysanthemum parthenium, Cirsium arvense, C. lanceolatum, Echinops sphaerocephalus, Matricaria chamomilla, Silybum marianum.

Aphis fabae Scopoli. Franssen, 1927a, p. 259, 260, 261; Judenko, 1930a, p. 136; Nevsky, 1929b, p. 396; Werder, 1931a, p. 84.
Achillea millefolium, Acroclinium roseum, Calendula officinalis, Carduus acanthoides, Chrysanthemum leucanthemum, Cichorium intybus, Cirsium arvense, Coreopsis tinctoriu, Cosmos bipinnatus, Cynara cardunculus, Dahlia variabilis, Helianthus annuus, Lactuca sativa, Lappa minor, Matricaria chamomilla, Scorzonera hispanica, Senecio jacobaea, Tanacetum vulgare, Taraxacum officinale, Xanthium strumarium.

Aphis filaginis Lichtenstein. Del Guercio, 1911a, p. 311; Wilson, 1918a, p. 75.
Filago.

Aphis filifoliae Gillette and Palmer. Gillette, 1932b, p. 397.
Artemisia filifolia, A. tridentata.

Aphis floridanae Tissot. Tissot, 1933a, p. 60.
Lactuca floridana.

Aphis frondosae Oestlund. Oestlund, 1887a, p. 67.
Bidens frondosa.

Aphis funesta Hottes and Frison. Hottes, 1931b, p. 395.
Liatris squarrosa.

Aphis furcipes Rafinesque. Rafinesque, 1817a, p. 361.
Bellis perennis.

Aphis gallicae Del Guercio. Del Guercio, 1911a, p. 297; Wilson, 1918a, p. 81.
Filago gallica, F. germanica.

Aphis gillettei Cowen. Cowen, 1895a, p. 120.
Helianthus petiolaris.

Aphis gossypii Glover. Essig, 1918a, p. 39, 41; van der Goot, 1916a, p. 95–96, 295; Griswold, 1927b, p. 14; Hall, 1926a, p. 19; Hottes, 1931b, p. 394; Mason, 1921a, p. 23; Matsumura, 1917b, p. 357; Patch, 1925b, p. 190; Pergande, 1895a, p. 313–314; Swain, 1919a, p. 160; Takahashi, 1923a, p. 97, 1924a, p. 120, 1931a, p. 45.
Ageratum conyzoides, Ambrosia, Anthemis, Arctium lappa, A. major, Bidens frondosa, B. pilosa, Blumea balsamifera, Callistephus chinensis, Chrysanthemum frutescens, C. hortorum, C. sinense, Cineraria, Cirsium arvense, Cosmos caudatus, Dichrocephala latifolia, Eclypta erecta, Elephantopus mollis, E. scaber, Erechtites hieracifolia, E.

valerianaefolia, Gnaphalium japonicum, G. spathulatum, Helenium autumnale, Helianthus annuus, Lactuca debilis, L. sativa, Leontodon autumnalis, Petasites japonicus, Senecio cruentus, S. mikanioides, S. vulgaris, Sonchus oleraceus, Sphaeranthus, Taraxacum densleonis, T. officinale, Tithonia grandiflora, Vernonia chinensis, Wedelia, Zinnia.

Aphis gregalis Knowlton. Knowlton, 1928a, p. 259.
Chrysothamnus parryi, C. viscidiflorus.

Aphis helianthi van der Goot. Van der Goot, 1917a, p. 212.
Helianthus.

Aphis helianthi Monell. Gillette, 1932b, p. 403; Hottes, 1931b, p. 196; Jones, 1929a, p. 26, 35; Williams, 1891a, p. 24; Wilson, 1918a, p. 88.
Ambrosia artemisiifolia, A. trifida, Aster, Carduus, Cirsium, Helianthus annuus, H. divaricatus, H. giganteus, H. grosseserratus, H. petiolaris, H. rigidus, H. tuberosus, Iva xanthifolia.

Aphis hermistonii Wilson. Gillette, 1932b, p. 407.
Artemisia filifolia, A. tridentata.

Aphis hieracium-venosum Rafinesque. Rafinesque, 1817a, p. 361; Hottes, 1931a, p. 62; Wilson, 1918a, p. 89.
Hieracium venosum.

Aphis hiltoni Essig. Essig, 1922a, p. 61.
Artemisia californica.

Aphis horii Takahashi. Takahashi, 1923a, p. 62.
Cirsium dipsacolepis.

Aphis infrequens Knowlton. Knowlton, 1929c, p. 38, 1935d, p. 193.
Artemisia tridentata, Chrysothamnus parryi.

Aphis insita Walker. Walker, 1852a, p. 1034.
Cineraria.

Aphis instabilis Buckton. Buckton, 1879a, p. 95; Theobald, 1927a, p. 290.
Pyrethrum inodorum.

Aphis insularis Blanchard. Blanchard, 1923a, p. 37.
Senecio bonariensis.

Aphis intybi Koch. Ferrari, 1872a, p. 71; Koch, 1857a, p. 149; Lichtenstein, 1884a; Macchiati, 1883a, p. 254; Passerini, 1863a, p. 155, 158, 342.
Cichorium divaricatum, C. endiva, C. intybus, Cynara cardunculus, Taraxacum dens-leonis, Xeranthemum.

Aphis jacobaeae Schrank. Judenko, 1930a, p. 138; Koch, 1857a, p. 95; Theobald, 1927a, p. 114; Werder, 1931a, p. 84; Wilson, 1918a, p. 95.
Senecio jacobaea, S. sarracenicus, S. vulgaris.

Aphis jacobea-balsamita Rafinesque. Hottes, 1931a, p. 66; Rafinesque, 1818a.
Jacobaea balsamita.

Aphis knowltoni Hottes and Frison. Hottes, 1931b, p. 199.
Taraxacum officinale.

Aphis kurosawai Takahashi. Takahashi, 1931a, p. 43.
Artemisia vulgaris.

Aphis laburni Kaltenbach. Nevsky, 1929b, p. 185.
Carthamus tinctorius, Helianthus annuus, Sonchus asper, S. palustris.

Aphis laciniariae Gillette and Palmer. Gillette, 1932b, p. 409.
Laciniaria punctata.

Aphis lateralis Walker. Wilson, 1918a, p. 100.
Senecio vulgaris.

Aphis leontopodii Schouteden. Schouteden, 1906a, p. 222.
Leontopodium alpinum.

Aphis lugentis Williams. Gillette, 1932b, p. 410; Knowlton, 1935d, p. 192; Williams, 1910a, p. 46.
Senecio atratus, S. hydrophyllus, S. lugens, S. pratensis, S. scopulinum, S. spartioides, S. triangularis.

Aphis magnopilosa Nevsky. Nevsky, 1929b, p. 186.
Centaurea.

Aphis maidi-radicis Forbes. Davis, 1909b, p. 124; Gillette, 1932b, p. 414; Hottes, 1931b, p. 393; Sweetman, 1928a, p. 595; Vickery, 1910a, p. 102–104; Wilson, 1918a, p. 107.
Ambrosia artemisiifolia, A. trifida, Anthemis cotula, Arctium lappa, Artemisia frigida, Aster, Chrysanthemum leucanthemum, Erigeron canadensis, E. philadelphicus, Gnaphalium purpureum, Helenium tenuifolium, Helianthus annuus, Krigia virginica, Senecio tomentosus, Taraxacum officinale, Xanthium canadense.

Aphis maidis Fitch. Wildermuth, 1932a, p. 6.
Ambrosia trifida.

Aphis malvae Walker. Buckton, 1879a, p. 43; Schouteden, 1906a, p. 222.
Chrysanthemum.

Aphis malvoides van der Goot. Van der Goot, 1916a, p. 98, 295; Takahashi, 1923a, p. 38, 103.
Bidens pilosa, B. willichii, Cosmos caudatus, Emilia sonchifolia, Erechtites hieracifolia, E. valerianaefolia, Senecio tenuifolius, Vernonia arborea.

Aphis marutae Oestlund. Oestlund, 1887a, p. 57; Swain, 1919a, p. 112; Wellhouse, 1922a, p. 1096.
Anthemis cotula, Centaurea melitensis, Maruta cotula, Silybum marianum.

Aphis medicaginis Koch. Gillette, 1932b, p. 416; Swain, 1919a, p. 160.
Artemisia, Iva axiliaris, Lactuca, Solidago, Taraxacum officinale.

Aphis menthae-radicis Cowen. Gillette, 1932b, p. 418.
Artemisia aromatica, Aster, Taraxacum officinale.

Aphis middletonii Thomas. Gillette, 1932b, p. 419; Jones, 1929a, p. 43; Vickery, 1910a, p. 113–118; Williams, 1891a, p. 12; Wilson, 1918a, p. 110.
Achillea, Ambrosia trifida, Artemisia frigida, Aster ericoides, A. multiflorus, A. subulatus, Callistephus hortensis, Chrysothamnus, Cosmos bipinnatus, Erigeron canadensis, E. ramosus, Helianthus pumilus, Leptilon, Senecio scopulinus, Solidago canadensis, S. serotina, Taraxacum officinale, Vernonia fasciculata.

Aphis minutissima Gillette and Palmer. Gillette, 1932b, p. 420.
Artemisia filifolia.

Aphis mordwilkoi Börner and Janisch. Franssen, 1927a, p. 260.
Lappa major, L. minor, L. tomentosa.
Aphis neoreticulata Theobald. Theobald, 1927a, p. 186.
Cynara cynosbatella.
Aphis nigragregalis Knowlton. Knowlton, 1935c, p. 137.
Chrysothamnus nauseosus.
Aphis nigricauda van der Goot. Van der Goot, 1916a, p. 108.
Ageratum conyzoides.
Aphis nyctalis Hottes and Frison. Hottes, 1931b, p. 208.
Senecio glabellus.
Aphis ochrocentri Cockerell. Cockerell, 1903e, p. 248.
Carduus ochrocentrus.
Aphis opima Buckton. Buckton, 1879a, p. 101; Theobald, 1927a, p. 287.
Cineraria.
Aphis oreaster Rafinesque. Hottes, 1931a, p. 66.
Aster simplex.
Aphis oregonensis Wilson. Gillette, 1932b, p. 427.
Artemisia gnaphalodes, A. tridentata.
Aphis ornata Gillette and Palmer. Gillette, 1932b, p. 426.
Chrysothamnus graveolens, Ratibida columnaris.
Aphis padi Linnaeus. Hottes, 1931b, p. 209.
Senecio cruentus.
Aphis papaveris Fabricius. Börner, 1922a, p. 65–67; Kaltenbach, 1843, p. 82–83; Passerini, 1863a, p. 156; Wilson, 1918a, p. 122.
Carduus, Chrysanthemum leucanthemum, C. segetum, Cirsium arvense, Cnicus palustris, Helichrysum chrysanthemum, Lactuca, Matricaria chamomilla, M. inodora, Scorzonera hirsuta, Senecio vulgaris.
Aphis persequens Walker. Wilson, 1918a, p. 124.
Tanacetum.
Aphis persola Walker. Wilson, 1918a, p. 126.
Chrysanthemum segetum.
Aphis petasiticola Takahashi. Takahashi, 1931a, p. 48.
Petasites tricholobus.
Aphis petasitidis Buckton. Buckton, 1879a, p. 70; Schouteden, 1906a, p. 225.
Petasites niveus, Tussilago petasites.
Aphis pilosicauda Gillette and Palmer. Gillette, 1932b, p. 432.
Cirsium.
Aphis plantaginis Schrank. Theobald, 1927a, p. 131; Wilson, 1918a, p. 132.
Achillea millefolium, A. ptarmica, Artemisia absinthium, A. campestris, A. vulgaris, Bellis perennis, Chrysanthemum leucanthemum, Erigeron canadensis, Inula squarrosa, Leontodon taraxaci, Taraxacum officinale.
Aphis pseudocardui Theobald. Theobald, 1915a, p. 120.
Carduus.
Aphis radicicola Mordvilko. Wilson, 1918a, p. 143.
Arctium.
Aphis reticulata Wilson. Wilson, 1915a, p. 92.
Artemisia tridentata.

Aphis rumicis Linnaeus. Britton, 1933a, p. 108; Buckton, 1879a, p. 83–84; Gillette, 1932b, p. 440; van der Goot, 1915a, p. 225; Horsfall, 1925a, p. 24–27; Hottes, 1931b, p. 390–402; Theobald, 1927a, p. 81–87, 102; Walker, 1850a, p. 18–19; Wilson, 1918a, p. 150–151; Zirnits, 1927a, p. 244–245.

Achillea millefolium, A. ptarmica, Anthemis nobilis, Arctium lappa, A. minus, Artemisia vulgaris, Aster, Calendula, Carduus arvensis, C. lanceolatus, C. palustris, C. pratensis, Centaurea calcitrapa, C. iberica, Chrysanthemum leucanthemum, C. segetum, Cichorium endiva, C. intybus, Cirsium arvense, C. lanceolatum, C. muticum, C. oleraceum, C. palustre, Cnicus palustris, Cynara cardunculus, Dahlia coccinea, D. nutans, D. variabilis, Erigeron, Galinsoga parviflora, Helianthus, Helichrysum chrysanthemum, Inula dysenterica, I. viscosa, Lactuca sativa, Matricaria chamomilla, Picris, Scorzonera hirsuta, Senecio mikanioides, S. vulgaris, Solidago serotina, S. virgaurea, Sonchus, Tragopogon pratensis.

Aphis scabiosae Schrank. Van der Goot, 1915a, p. 230.

Hieracium umbellatum.

Aphis senecio Swain. Swain, 1918b, p. 17–18, 1919a, p. 123–124.

Ambrosia psilostachya, Anthemis, Artemisia californica, A. heterophylla, Aster, Baccharis pilularis, Calendula officinalis, Chrysanthemum, Gnaphalium, Grindelia cuneifolia, Helianthus, Senecio mikanioides, S. vulgaris.

Aphis senecionis Williams. Williams, 1910a, p. 57.

Senecio canus.

Aphis silybi Passerini. Passerini, 1863a, p. 339.

Silybum marianum.

Aphis solidaginifoliae Williams. Hottes, 1931b, p. 400.

Solidago canadensis.

Aphis spiraecola Patch. Berger, 1924a, p. 93; Beyer, 1924a, p. 10; Gillette, 1932b, p. 447; Hottes, 1931b, p. 222; Miller, 1929a, p. 433–440; Patch, 1923a, p. 52, 1929a, p. 699; Watson, 1925a, p. 26.

Bidens leucantha, Erechtites hieracifolia, E. praealta, Eupatorium capillifolium, E. foeniculaceum, E. perfoliatum, E. purpureum, Gnaphalium, Helichrysum bracteatum, Lactuca sativa, Leontodon autumnalis, Liatris squarrosa, Matricaria matricaroides, Sonchus oleraceus, Taraxacum officinale, Vernonia.

Aphis swezeyi Fullaway. Fullaway, 1910a, p. 39.

Gnaphalium.

Aphis symphiti Schrank. Theobald, 1927a, p. 133.

Achillea millefolium, Arctium lappa, Carduus acanthoides, C. crispus, C. nutans, Cirsium lanceolatum, Onopordon acanthium.

Aphis tavaresi Del Guercio. Ogilvie, 1928a, p. 22.

Bidens pilosa.

Aphis terricola Rondani. Passerini, 1863a, p. 154, 156, 256; Wilson, 1918a, p. 166.

Centaurea scabiosa, C. solstitialis, Cirsium arvense, Picris echioides, P. hieracioides, Sonchus oleraceus.

Aphis tridacis Theobald. Theobald, 1929c, p. 180.
Tridax procumbens.

Aphis tridentatae Wilson. Wilson, 1915a, p. 94.
Artemisia tridentata.

Aphis tripolii Laing. Theobald, 1927a, p. 160.
Aster tripolium.

Aphis vernoniae Thomas. Hottes, 1931b, p. 223; Mason, 1921a, p. 25.
Eupatorium purpureum, Helenium autumnale, Vernonia angustifolia, V. fasciculata.

Aphis zonassa Knowlton. Knowlton, 1935c, p. 138.
Chrysothamnus parryi.

Aphis zilora Hottes and Frison. Hottes, 1931b, p. 225.
Liatris elegans.

Atarsos grindeliae Gillette. Gillette, 1932b, p. 459.
Aster, Grindelia squarrosa, Machaeranthera viscosa.

Aulacorthum dispersum van der Goot. Van der Goot, 1916a, p. 293.
Emilia sonchifolia.

Bipersona torticauda Gillette. Gillette, 1934a, p. 144; Jones, 1920a, p. 27; Soliman, 1927a, p. 97.
Carduus, Cirsium, Cnicus.

Brachycolus frequens Walker. Theobald, 1927a, p. 319.
Artemisia maritima.

Brachyunguis carthami Das. Das, 1918a, p. 269.
Carthamus oxycarpa.

Capitophorus artemisicola Williams. Soliman, 1927a, p. 135; Williams, 1910a, p. 157 (73).
Artemisia cana, Cnicus lanceolatus.

Capitophorus braggii Gillette. Gillette, 1934a, p. 146; Hall, 1926a, p. 35; Hori, 1929b, p. 16, 48; Jones, 1918b, p. 1; Takahashi, 1931a, p. 77.
Arctium lappa, Cirsium arvense, C. horridulum, C. japonicum, Cynara cardunculus, C. scolymus.

Capitophorus brevinectarius Gillette and Palmer. Gillette, 1933a, p. 351.
Artemisia longifolia.

Capitophorus carduinus Walker. Davidson, 1912a, p. 400; Gillette, 1934a, p. 146; van der Goot, 1915a, p. 118; Passerini, 1863a, p. 156; Schouteden, 1906a, p. 234.
Carduus lanceolatus, C. nutans, Cirsium lanceolatum, Cynara cardunculus.

Capitophorus carthusianus Haviland. Theobald, 1926a, p. 256.
Carduus.

Capitophorus chrysanthemi Theobald. Hall, 1926a, p. 35; Theobald, 1929a, p. 332.
Chrysanthemum, Cynara scolymus.

Capitophorus cirsii Nevsky. Nevsky, 1928a, p. 195.
Arctium majus, Carduus, Cirsium arvense.

Capitophorus cynariella Theobald. Theobald, 1922e, p. 41.
Cynara scolymus.

Capitophorus elongatus Knowlton. Gillette, 1934a, p. 148; Knowlton, 1935b, p. 283, 1935c, p. 137.
Chrysothamnus frigida, C. nauseosus, C. parryi, C. viscidiflorus.
Capitophorus flaveolus Walker. Glendenning, 1929b, p. 56; Hottes, 1931b, p. 392, 400; Theobald, 1926a, p. 251.
Carduus, Circium lanceolatum, Cnicus arvensis, Sonchus.
Capitophorus formosanus Takahashi. Takahashi, 1929b, p. 250, 1931a, p. 76.
Chrysanthemum chinensis, C. sinense.
Capitophorus formoartemisiae Takahashi. Takahashi, 1931a, p. 77.
Artemisia vulgaris.
Capitophorus gillettei Theobald. Hottes, 1931b, p. 397.
Polymnia.
Capitophorus glandulosus Kaltenbach. Gillette, 1934a, p. 150; Jones, 1929a, p. 52; Knowlton, 1932a, p. 110; Nevsky, 1929b, p. 141; Wilson, 1918a, p. 83, 197.
Artemisia abrotanum, A. frigida, A. ludoviciana, A. tridentata, A. vulgaris.
Capitophorus gregarius Knowlton. Knowlton, 1929b, p. 13.
Chrysothamnus nauseosus.
Capitophorus heterohirsutus Gillette and Palmer. Gillette, 1933a, p. 352.
Artemisia tridentata.
Capitophorus longinectarius Gillette and Palmer. Gillette, 1933a, p. 353.
Artemisia longifolia.
Capitophorus montanus Takahashi. Takahashi, 1931a, p. 77.
Cirsium japonicum.
Capitophorus oestlundi Knowlton. Gillette, 1934a, p. 153; Knowlton, 1927d, p. 235.
Chrysothamnus graveolens, C. nauseosus, C. plattensis.
Capitophorus pakansus Hottes and Frison. Hottes, 1931b, p. 287.
Inula royleana.
Capitophorus palmerae Knowlton. Knowlton, 1935b, p. 283.
Chrysothamnus nauseosus, C. parryi, C. viscidiflorus.
Capitophorus patonkus Hottes and Frison. Hottes, 1931b, p. 289.
Achillea millefolium.
Capitophorus pilosus van der Goot. Theobald, 1926a, p. 247.
Artemisia maritima, A. vulgaris.
Capitophorus pullus Gillette and Palmer. Gillette, 1933a, p. 354.
Artemisia longifolia.
Capitophorus similis van der Goot. Van der Goot, 1915a, p. 128; Nevsky, 1929b, p. 395.
Cirsium, Tussilago farfara.
Capitophorus takahashii Strand. Takahashi, 1931a, p. 77.
Petasites tricholobus.
Capitophorus utensus Pack and Knowlton. Knowlton, 1935c, p. 137; Pack, 1929a, p. 201.
Chrysothamnus viscidiflorus, Gutierrezia longifolia.
Capitophorus wasatchii Knowlton. Gillette, 1934a, p. 158; Knowlton, 1927d, p. 238.

Artemisia dracunculoides, Chrysothamnus frigidus, C. nauseosus, Gaertneria tomentosa, Laciniaria punctata.

Capitophorus xanthii Oestlund. Gillette, 1934a, p. 159; Knowlton, 1927d, p. 238.
Xanthium canadense, X. echinatum.

Cavariella capreae Fabricius. Theobald, 1927a, p. 8; Wilson, 1918a, p. 49.
Coreopsis, Liatris gummiferae.

Cerosipha cirsii oleracei Börner. Börner, 1932b.
Cirsium oleraceum.

Cryptosiphum cinae Nevsky. Nevsky, 1928b, p. 25.
Artemisia absinthium, A. annua, A. cina.

Cryptosiphum gallarum Kaltenbach. Macchiati, 1883a, p. 240; Nevsky, 1929b, p. 263; Takahashi, 1931a, p. 37; Wilson, 1918a, p. 81.
Artemisia abrotanum, A. absinthium, A. capillaris, A. variabilis, A. vulgaris.

Cryptosiphum hirsutum Nevsky. Nevsky, 1929b, p. 394.
Artemisia vulgaris.

Dactynotus cirsii Linnaeus. Lambers, 1931d, p. 6.
Cichorium intybus.

Dactynotus jaceae Lambers. Lambers, 1931d, p. 6.
Centaurea coerulescens.

Dactynotus marcatus Lambers. Lambers, 1931f, p. 172.
Cirsium arvense.

Dentatus pyri Koch. Judenko, 1930a, p. 139.
Tussilago farfara.

Dentatus radicivorans Nevsky. Nevsky, 1929b, p. 304.
Cirsium sitigerum.

Dorsalis hartigi Lambers. Lambers, 1931a, p. 7.
Centaurea cyanescens.

Durocapillata utahensis Knowlton. Knowlton, 1927c, p. 229.
Chrysothamnus viscidiflorus.

Epameibaphis atricornis Gillette and Palmer. Gillette, 1933a, p. 349.
Artemisia longifolia.

Epameibaphis frigidae Oestlund. Davidson, 1914a, p. 133; Gillette, 1932b, p. 471; Knowlton, 1932a, p. 110.
Artemisia californica, A. frigida, A. tridentata.

Flabellomicrosiphum tridentatae Wilson. Gillette, 1932b, p. 472; Wilson, 1915a, p. 89.
Artemisia tridentata.

Hyalopterus abrotani Koch. Wilson, 1918a, p. 27.
Artemisia abrotanum, A. vulgaris.

Hysteroneura setariae Thomas. Cutright, 1925a, p. 198.
Aster.

Longiunguis odinae van der Goot. Van der Goot, 1916a, p. 116.
Senecio tenuifolius.

Macrosiphoniella absinthii Linnaeus. Ferrari, 1872a, p. 56; Macchiati, 1883a, p. 228; Passerini, 1863a, p. 249; Theobald, 1926a, p. 154; Wilson, 1918a, p. 27.

Achillea ligustica, A. millefolium, Artemisia abrotanum, A. campestris, A. variabilis, A. vulgaris, Helichrysum angustifolium.

Macrosiphoniella asteris Walker. Theobald, 1926a, p. 168.
Aster tripolium.

Macrosiphoniella beretica Blanchard. Blanchard, 1922a, p. 202.
Composite (undetermined species).

Macrosiphoniella erigeronis Nevsky. Nevsky, 1928a, p. 187, 1929b, p. 107, 396.
Erigeron accr.

Macrosiphoniella fasciata Del Guercio. Wilson, 1918a, p. 195.
Artemisia californica, A. campestris.

Macrosiphoniella formoartemisiae Takahashi. Takahashi, 1931a, p. 62.
Artemisia capillaris.

Macrosiphoniella fulvicola Shinji. Shinji, 1933b.
Chrysanthemum.

Macrosiphoniella lilacina Ferrari. Theobald, 1926a, p. 155.
Tanacetum vulgare.

Macrosiphoniella millefolii DeGeer. Lambers, 1931d, p. 5; Macchiati, 1883a, p. 230; Passerini, 1863a, p. 150; Theobald, 1926a, p. 160; Wilson, 1918a, p. 110.
Achillea ageratum, A. ligustica, A. millefolium, A. ptarmica, Anthemis tinctoria, Pyrethrum.

Macrosiphoniella nigropilosa Nevsky. Nevsky, 1929b, p. 109.
Artemisia persica.

Macrosiphoniella olgae Nevsky. Nevsky, 1929b, p. 108.
Gnaphalium sylvaticum.

Macrosiphoniella pseudolineata Lambers. Lambers, 1931f, p. 175.
Tanacetum vulgare.

Macrosiphoniella pulvera Walker. Nevsky, 1929b, p. 110; Theobald, 1926a, p. 171.
Artemisia abrotanum, A. absinthium, A. annua, A. maritima, Tanacetum vulgare.

Macrosiphoniella tanacetaria Kaltenbach. Van der Goot, 1915a, p. 97; Theobald, 1926a, p. 165; Wilson, 1918a, p. 195; Zirnits, 1927a, p. 206.
Anthemis nobilis, Artemisia absinthium, A. vulgaris, Chrysanthemum vulgare, Pyrethrum, Tanacetum vulgare.

Macrosiphoniella teriolana Lambers. Lambers, 1931a, p. 9, 1931d, p. 5.
Artemisia abrotanum, A. campestris.

Macrosiphoniella yomogifoliae Shinji. Takahashi, 1931a, p. 62.
Artemisia vulgaris, Chrysanthemum sinensis.

Macrosiphum aktashicum Nevsky. Nevsky, 1928a, p. 182.
Tanacetum.

Macrosiphum alatavicum Nevsky. Nevsky, 1928a, p. 183.
Artemisia dracunculus.

Macrosipum amamianum Takahashi. Takahashi, 1930d, p. 319.
"A plant of the Composite."

Macrosiphum ambrosiae Thomas. Gillette, 1934a, p. 172; Hottes, 1931b,

p. 298, 389, 395; Soliman, 1927a, p. 113; Takahashi, 1923a, p. 72; Thomas, 1879a, p. 50.

Achillea millefolium, Actinomeris alternifolia, Ambrosia psilostachya, A. trifida, Aster, Cirsium, Eupatorium urticaefolium, Gnaphalium multiceps, Helianthus annuus, Iva xanthifolia, Lactuca, Prenanthes alba, Rudbeckia hirta, Solidago, Sonchus, Taraxacum officinale, Xanthium canadense.

Macrosiphum anomalae Hottes and Frison. Hottes, 1931b, p. 300.

Aster novae-angliae.

Macrosiphum artemisiae Boyer. Schouteden, 1901a, p. 117; Theobald, 1913b, p. 72, 1926a, p. 163; Wilson, 1915a, p. 97, 1918a, p. 36.

Achillea millefolium, A. nobilis, Artemisia abrotanum, A. absinthium, A. tridentata, A. variabilis, A. vulgaris, Chrysanthemum balsamita, C. leucanthemum.

Macrosipum astericola Okamoto and Takahashi. Okamoto, 1927a, p. 132.

Aster adustus.

Macrosiphum asterifoliae Strom. Strom, 1934a, p. 620.

Aster.

Macrosiphum atra Ferrari. Ferrari, 1872a, p. 59; Macchiati, 1883a, p. 228; Wilson, 1918a, p. 38.

Artemisia abrotanum, A. camphorata, A. variabilis, A. vulgaris.

Macrosiphum atripes Gillette and Palmer. Gillette, 1933a, p. 360.

Aster, Solidago missouriensis.

Macrosiphum baccharidis Clarke. Clarke, 1903a, p. 254.

Baccharis.

Macrosiphum bicolor Nevsky. Nevsky, 1929b, p. 63.

Onopordon, Senecio.

Macrosiphum bifrontis Passerini. Passerini, 1879a, p. 45; Wilson, 1918a, p. 44.

Inula bifrons, I. viscosa.

Macrosiphum calendulae Monell. Monell, 1879a, p. 21.

Calendula micrantha.

Macrosiphum calendulella Monell. Monell, 1879a, p. 19.

Calendula micrantha.

Macrosiphum chondrillae Nevsky. Nevsky, 1929a, p. 64.

Chondrilla juncea, Mulgedium roseum.

Macrosiphum chrysanthemi Oestlund. Hottes, 1931b, p. 302; Oestlund, 1887a, p. 84; Soliman, 1927a, p. 115.

Bidens chrysanthemoides, B. connata, B. laevis, B. vulgata, Eupatorium urticaefolium, Prenanthes alba, Solidago.

Macrosiphum cocoensis Blanchard. Blanchard, 1932a.

Tanacetum vulgare.

Macrosiphum compositae Theobald. Takahashi, 1930d, p. 317; Theobald, 1915a, p. 107, 1928e.

Carduus, Dahlia, various Compositae.

Macrosiphum constrictum Patch. Patch, 1923c, p. 144.

Lactuca sativa.

Macrosiphum coweni Hunter. Gillette, 1934a, p. 175.
Artemisia tridentata.
Macrosiphum dahliafolii Theobald. Theobald, 1918b, p. 274, 1928e.
Carduus, Dahlia.
Macrosiphum debilis Takahashi. Takahashi, 1931a, p. 59.
Lactuca debilis.
Macrosiphum dubia Ferrari. Ferrari, 1872a, p. 55.
Artemisia campestris.
Macrosiphum erigeronella Soliman. Soliman, 1927a, p. 115.
Erigeron canadensis.
Macrosiphum erigeronensis Thomas. Cockerell, 1903c, p. 248; Gillette, 1934a, p. 178; Hottes, 1931b, p. 305; Jones, 1929a, p. 39, 41; Knowlton, 1928d, p. 80; Wilson, 1918a, p. 72.
Ambrosia trifida, Aster, Carduus, Erigeron annuus, E. canadensis, E. philadelphicus, E. subtrinervis, E. superbus, Lactuca pulchella, L. scariola, L. virosa, Solidago.
Macrosiphum erigeron-philadelphicum Rafinesque. Hottes, 1931a, p. 63.
Erigeron philadelphicus.
Macrosiphum eupatoricolens Patch. Patch, 1919b, p. 214.
Eupatorium purpureum.
Macrosiphum eupatorii Williams. Williams, 1910a, p. 77.
Eupatorium ageratoides.
Macrosiphum filaginis Lichtenstein. (No description.) Wilson, 1919a, p. 75.
Filago.
Macrosiphum filifoliae Gillette and Palmer. Gillette, 1934a, p. 179.
Artemisia filifolia, A. vulgaris.
Macrosiphum formosanum Takahashi. Okamoto, 1927a, p. 130; Takahashi, 1923a, p. 74, 164, 1928a no. 6; 1931a, p. 57.
Lactuca brevirostris, L. debilis, L. formosana, L. gracilis, L. laciniata, L. scariola, L. thunbergiana, Senecio, Sonchus arvensis, S. oleraceus, Taraxacum platycarpum.
Macrosiphum frigidae Oestlund. Essig, 1911a, p. 548. Gillette, 1934a, p. 180; Jones, 1929a, p. 35, 41.
Artemisia borealis, A. californica, A. frigida, A. gnaphaloides, A. tridentata.
Macrosiphum frigidicola Gillette and Palmer. Gillette, 1934a, p. 181; Hottes, 1931b, p. 306.
Achillea millefolium, Artemisia abrotanum, A. frigida, A. pedemontana.
Macrosiphum gei Koch. Hottes, 1931b, p. 306–307, 390; Theobald, 1926a, p. 111.
Anthemis cotula, Artemisia, Aster, Calendula, Chrysanthemum, Cineraria, Eupatorium urticaefolium, Helianthus, Lactuca, Polymnia, Senecio vulgaris, Sonchus oleraceus.
Macrosiphum gibbosa Rafinesque. Hottes, 1931a, p. 66.
Erigeron strigosus, Solidago altissima, S. odora.
Macrosiphum giganteum Matsumura. Matsumura, 1918a, p. 3.
Cirsium.

Macrosiphum glabrum Gillette and Palmer. Gillette, 1934a, p. 182.
Artemisia dracunculoides.

Macrosiphum gnaphalii Walker. Theobald, 1929a, p. 322.
Gnaphalium germanicum.

Macrosiphum gobonis Matsumura. Hori, 1929b, p. 61–62; Takahashi, 1921a, p. 5, 1931a, p. 58.
Arctium lappa, Blumea balsamifera, Carthamus tinctorius, Chrysanthemum coronarium, Cirsium arvense, C. japonicum, C. kawakamii, C. maackii, Crepis japonica, Cynara scolymus, Gnaphalium multiceps, Saussurea affinis.

Macrosiphum gravicornis Patch. Hottes, 1931b, p. 309.
Aster, Erigeron philadelphicus, Lactuca, Solidago canadensis.

Macrosiphum griersoni Blanchard. Blanchard, 1932a.
Cynara scolymus.

Macrosiphum heleniella Cockerell. Cockerell, 1903b, p. 169.
Helenium hoopesii.

Macrosiphum hieracii Kaltenbach. Ferrari, 1872a, p. 56; van der Goot, 1915a, p. 71; Kaltenbach, 1913b, p. 88; Lambers, 1931a, p. 10; Macchiati, 1883a, p. 229; Theobald, 1913b, p. 88, 1926a, p. 59, 309; Wilson, 1918a, p. 89.
Arctium lappa, Cichorium intybus, Crepis biennis, C. virens, Hieracium murorum, H. pilosella, H. spondylium, H. sylvaticum, H. umbellatum, H. vavietis, Urospermum dalechampii, U. picroides.

Macrosiphum hieracii Schrank. Wilson, 1918a, p. 89.
Arctium lappa, Carduus, Cichorium endiva, C. intybus, Crepis tectorum, Hieracium murorum, H. pilosella, H. spondylium, H. sylvaticum, H. sylvestris, Urospermum dalechampii, U. picroides.

Macrosiphum idahoensis Miller. Miller, 1933a, p. 251.
Anaphalis margaritacea.

Macrosiphum illini Hottes and Frison. Hottes, 1931b, p. 311.
Helianthus.

Macrosiphum inulae Ferrari. Ferrari, 1872a, p. 57.
Inula viscosa.

Macrosiphum jaceae Linnaeus. Van der Goot, 1915a, p. 74; Lambers, 1931d, p. 6; Macchiati, 1883a, p. 229; Nevsky, 1929b, p. 66; Theobald, 1926a, p. 96; Werder, 1931a, p. 84; Wilson, 1931a, p. 84; Zirnits, 1927a, p. 205.
Carduus acanthoides, C. arvensis, C. crispus, C. nutans, C. pycnocephalus, Carthamus tinctorius, Centaurea balsamita, C. coerulescens, C. cyanus, C. jacea, C. maculosa, C. nigra, C. nigrescens, C. picris, C. scabiosa, Cichorium intybus, Cirsium arvense, C. muticum, C. oleraceum, C. palustre, Crepis biennis, Hieracium murorum, Hypochaeris maculata, Inula helenium, I. squarrosa, Lactuca virosa, Onopordon acanthium, Senecio viscosus, S. vulgaris, Sonchus oleraceus.

Macrosiphum jacobea-balsamita Rafinesque. Hottes, 1931a, p. 66; Rafinesque, 1818a, p. 16; Wilson, 1918a, p. 95.
Jacobaea balsamita, Senecio jacobaea, Solidago nemoralis.

Macrosiphum jonesii Gillette and Palmer. Gillette, 1934a, p. 183.
Artemisia cana, A. trifida.
Macrosiphum kaltenbachii Schouteden. Jackson, 1918a, p. 82; Theobald, 1913b, p. 54, 1926a, p. 127.
Cichorium endiva, Lapsana communis, Picris hieracioides, Sonchus macrophyllus.
Macrosiphum kochii Ferrari. Lichtenstein, 1884a.
Artemisia.
Macrosiphum lactucarium Börner. Börner, 1931a.
Lactuca.
Macrosiphum lactucicola Strand. Takahashi, 1931a, p. 58.
Lactuca oldhami, Solidago virgaurea.
Macrosiphum lanceolatum Patch. Patch, 1919b, p. 215.
Solidago lanceolata.
Macrosiphum leucanthemi Ferrari. Ferrari, 1872b, p. 214.
Leucanthemum vulgare.
Macrosiphum lineatum van der Goot. Van der Goot, 1915a, p. 77; Lambers, 1931d, p. 5; Nevsky, 1929b, p. 62; Theobald, 1926a, p. 116; Zirnits, 1927a, p. 205.
Artemisia abrotanum, A. dracunculus, A. vulgaris, Chrysanthemum frutescens.
Macrosiphum lizerianum Blanchard. Blanchard, 1922a, p. 187.
Aster, Cosmos, Sonchus, Wedelia.
Macrosiphum longipes Gillette and Palmer. Gillette, 1934a, p. 186.
Artemisia tridentata.
Macrosiphum longirostris Gillette and Palmer. Gillette, 1934a, p. 187.
Cirsium filipendulum.
Macrosiphum ludovicianae Oestlund. Gillette, 1934a, p. 188; Soliman, 1927a, p. 119.
Artemisia dracunculus, A. gnaphalodes, A. heterophylla, A. ludoviciana, A. vulgaris, Tanacetum.
Macrosiphum luteola Williams. Williams, 1910a, p. 82.
Solidago missouriensis.
Macrosiphum madia Swain. Soliman, 1927a, p. 127.
Madia sativa.
Macrosiphum malvae Mosley. Macchiati, 1883a, p. 230; Passerini, 1863a, p. 151.
Bellis perennis, B. sylvestris.
Macrosiphum martini Cockerell. Cockerell, 1903b, p. 170.
Helenium hoopesii, Rudbeckia hirta.
Macrosiphum matsumuraeanum Hori. Hori, 1929b, p. 16, 50–51.
Arctium lappa, Carthamus tinctorius, Petasites japonicus.
Macrosiphum minutum van der Goot. Van der Goot, 1918c.
Vernonia cinerea.
Macrosiphum mulgedii Nevsky. Nevsky, 1928a, p. 184.
Mulgedium tataricum.
Macrosiphum muralis Buckton. Theobald, 1926a, p. 93.
Lactuca muralis.

Macrosiphum nishigaharae Essig and Kuwana. Essig, 1918a, p. 50.
Chrysanthemum.

Macrosiphum oblongum Mordvilko. Mordvilko, 1901a, p. 343.
Artemisia vulgaris.

Macrosiphum obscura Koch. Koch, 1857a, p. 167.
Hieracium praealtum.

Macrosiphum olivatum Buckton. Theobald, 1926a, p. 83.
Carduus lanceolatus.

Macrosiphum orientale van der Goot. Van der Goot, 1916a, p. 15; Mason, 1927a, p. 88.
Blumea balsamifera.

Macrosiphum packi Knowlton. Gillette, 1934a, p. 192; Knowlton, 1928b, p. 169.
Chrysothamnus frigida, C. graveolens, C. nauseosus.

Macrosiphum paczoskii Mordvilko. Mordvilko, 1910a, p. 331; Nevsky, 1929b, p. 70.
Echinops karatavicus, E. ritro.

Macrosiphum pallens Hottes and Frison. Hottes, 1931b, p. 316.
Ambrosia trifida, Silphium integrifolium.

Macrosiphum pelargonii Kaltenbach. Gaumont, 1929a, p. 275; Theobald, 1926a, p. 125; Werder, 1931a, p. 49.
Bellis, Chrysanthemum, Cineraria.

Macrosiphum petasitis Matsumura. Matsumura, 1917b, p. 360.
Petasites japonicus.

Macrosiphum phillipsii Theobald. Theobald, 1926a, p. 107.
Composite plant.

Macrosiphum picridis Fabricius. Ferrari, 1872a, p. 55, 58; van der Goot, 1915a, p. 85; Kaltenbach, 1843a, p. 28; Lambers, 1931f, p. 169–170; Macchiati, 1883a, p. 231; Passerini, 1863a, p. 155, 256; Theobald, 1926a, p. 59, 1929a, p. 323; Werder, 1931a, p. 50; Wilson, 1918a, p. 127; Zirnits, 1927a, p. 205.
Apargia autumnalis, A. hispida, Artemisia campestris, Cichorium endiva, C. intybus, Crepis biennis, C. blattariodes, C. capillaris, C. paludosa, C. tectorum, C. virens, Hieracium murorum, H. pilosella, H. spondylium, H. sylvaticum, H. sylvestris, H. umbellatum, H. vulgatum, Hypochoeris radicata, Leontodon autumnalis, L. hastilis, L. hispida, Picris hieraciodes, Sonchus arvensis, Taraxacum officinale.

Macrosiphum pseudorosae Patch. Knowlton, 1928d, p. 81; Patch, 1919a, p. 207.
Senecio aureus, S. "uintahensis".

Macrosiphum pulcherimum Nevsky. Nevsky, 1928a, p. 184.
Lactuca.

Macrosiphum rosae Linnaeus. Theobald, 1926a, p. 58, 68.
Bidens cernua, Chrysanthemum.

Macrosiphum rudbeckiae Fitch. Cockerell, 1903b, p. 168; Essig, 1918a, p. 52; Gillette, 1934a, p. 194; Hottes, 1931b, p. 321; Hunter, 1901a,

p. 116, 121; Mason, 1921a, p. 23, 24; Olsen, 1921a, p. 51; Sanborn, 1906a, p. 268; Swain, 1919a, p. 67, 68; Williams, 1891a, p. 16, 24; Wilson, 1918a, p. 149.

Ambrosia psilostachya, A. trifida, Antennaria neodioica, Aster drummondii, Baccharis viminea, Bidens chrysanthemoides, B. laevis, Boltonia indica, Calalia suaveolens, C. tuberosa, Chrysanthemum, Cirsium arvense, Cnicus japonicus, Eupatorium urticaefolium, Gnaphalium spathulatum, Helianthus, Hieracium venosum, Lactuca muralis, L. sativa, L. scariola, Madia sativa, Mulgedium, Rudbeckia amplexicaulis, R. flava, R. laciniata, Silphium integrifolium, S. perfoliatum, Solidago canadensis, S. nemoralis, S. rigida, S. serotina, Sonchus oleraceus, Synosma suaveolens, Vernonia fasciculata, V. lindheimeri, V. noveboracensis.

Macrosiphum rudbeckiarum Cockerell. Cockerell, 1903b, p. 168; Wilson, 1918a, p. 149.

Rudbeckia amplexicaulis.

Macrosiphum ruralis Hottes and Frison. Hottes, 1931b, p. 323.

Actinomeris alternifolia, Helianthus.

Macrosiphum sanborni Gillette. Van der Goot, 1916a, p. 39; Griswold, 1927b, p. 14; Hori, 1929b, p. 77; Lambers, 1931d, p. 5; Takahashi, 1931a, p. 61.

Chrysanthemum frutescens, C. hortorum, C. indicum, C. morifolium, C. sinense.

Macrosiphum senecionis Matsumura. Matsumura, 1917b, p. 361.

Senecio palmatus.

Macrosiphum solanifolii Ashmead. Essig, 1917a, p. 329; Gould, 1930a, p. 816, 817; Houser, 1917a, p. 68–69; Patch, 1921a, p. 330, 1923b, p. 310; Smith, 1919a, p. 52; Swain, 1919a, p. 69.

Achillea millefolium, Ambrosia artemisifolia, Anthemis cotula, Aster, Chrysanthemum balsamita, Cichorium endiva, Cineraria, Deinandra fasciculata, Eupatorium, Helianthus annuus, Lactuca sativa, Rudbeckia hirta, Senecio aureus, Sonchus oleraceus, Tanacetum vulgare.

Macrosiphum solidaginis Fabricius. Das, 1918a, p. 273; van der Goot, 1916a, p. 19–20, 293; Jones, 1929a, p. 43, 44; Lambers, 1931d, p. 6; Passerini, 1863a, p. 244, 340; Theobald, 1913b, p. 64; Williams, 1891a, p. 12; Wilson, 1918a, p. 159.

Ageratum conyzoides, Bidens pilosa, Centaurea cyanus, Chrysanthemum frutescens, Elephantopus scaber, Erigeron acris, E. canadensis, Lactuca, Senecio tenuifolius, Solidago canadensis, S. serotina, S. virgaurea, Sonchus arvensis, S. oleraceus, Vernonia arborea, V. chinensis.

Macrosiphum sonchellum Monell. Hottes, 1931b, p. 395; Monell, 1879a, p. 21.

Lactuca canadensis, Sonchus oleraceus.

Macrosiphum sonchi Linnaeus. Britton, 1933a, p. 108; van der Goot, 1915a, p. 94; Macchiati, 1883a, p. 231; Nevsky, 1929b, p. 402; Passerini, 1863a, p. 147; Theobald, 1926a, p. 88; Wilson, 1918a, p. 159.

Achillea millefolium, Aster linosyris, Carduus acanthoides, C. nutans, C. pycnocephalus, Carlina, Centaurea calcitrapa, C. collina, C. cyanus, C. jacea, C. nigra, C. nigrescens, C. scabiosa, Chondrilla juncea, Chrysanthemum segetum, Cichorium endiva, C. intybus, C. arvense, C. lanceolatum, Cirsium muticum, C. spinosissimus, Cnicus oleraceus, Crepis biennis, C. capillaris, C. foetida, C. lampsanoides, Cynara cardunculus, Hieracium boreale, H. murorum, H. sylvaticum, H. sylvestre, H. umbellatum, Hyoseris radiata, Lactuca sativa, L. scariola, Lapsana communis, Leontodon autumnalis, L. hispida, Onopordon acanthium, O. illyricum, Picridium vulgare, Picris hieracioides, Sonchus arvensis, S. asper, S. oleraceus.

Macrosiphum sonchicola Matsumura. Matsumura, 1917b, p. 361.
Sonchus arvensis.

Macrosiphum sporadicum Knowlton. Knowlton, 1935c, p. 135.
Chrysothamnus nauseosus.

Macrosiphum squarrosa Sanborn. Sanborn, 1904a, p. 78.
Actinomeris squarrosa.

Macrosiphum subterranea Koch. Koch, 1857a, p. 155; Wilson, 1918a, p. 163.
Senecio jacobaea.

Macrosiphum subviride Macdougall. Macdougall, 1926b.
Aster alpinus.

Macrosiphum tanaceti Linnaeus. Van der Goot, 1915a, p. 99; Judenko, 1930a, p. 162; Theobald, 1926a, p. 85, 86.
Lapsana communis, Tanacetum vulgare.

Macrosiphum tanaceticolum Kaltenbach. Van der Goot, 1915a, p. 100.
Achillea millefolium, Tanacetum vulgare.

Macrosiphum tapuskae Hottes and Frison. Hottes, 1931b, p. 328.
Achillea millefolium.

Macrosiphum taraxaci Kaltenbach. Hottes, 1931b, p. 329; Kaltenbach, 1843a, p. 30; Theobald, 1926a, p. 98.
Leontodon taraxacum, Taraxacum dens-leonis, T. officinale.

Macrosiphum tardae Hottes and Frison. Hottes, 1931b, p. 331.
Helenium autumnale.

Macrosiphum tenuitarsis Gillette and Palmer. Gillette, 1934a, p. 199.
Aster laevis.

Macrosiphum tuberculatum Nevsky. Nevsky, 1928a, p. 185.
Carduus.

Macrosiphum tussilaginis Walker. Theobald, 1926a, p. 142.
Tussilago farfara, Taraxacum.

Macrosiphum ulmariae Schrank. Ferrari, 1872a, p. 55; Passerini, 1836b, p. 13; Wilson, 1918a, p. 171.
Artemisia absinthium, A. campestris, Hyoseris radiata, Lactuca sativa, L. scariola, Tanacetum vulgare, Tragopogon pratensis.

Macrosiphum urticae Schrank. Wilson, 1918a, p. 173.
Cineraria.

Macrosiphum williamsi Gillette and Palmer. Gillette, 1929b, p. 468–469.
Lactuca.

Macrosiphum yomogicola Matsumura. Matsumura, 1917b, p. 361.
Artemisia japonica.

Macrosiphum zinzalae Hottes and Frison. Hottes, 1931b, p. 333.
Polymnia canadensis.

Micraphis artemisiae Takahashi. Takahashi, 1924a, p. 48, 1931a, p. 53.
Artemisia capillaris.

Micromyzus oliveri Essig. Essig, 1935a, p. 161.
Calendula officinalis.

Microsiphum artemisiae Gillette. Gillette, 1932b, p. 476; Jones, 1929a, p. 50; Knowlton, 1935d, p. 193.
Artemisia aromatica A. dracunculoides, A. gnaphalodes, A. ludoviciana, A. tridentata, A. vulgaris.

Microsiphum canadensis Williams. Williams, 1910a, p. 173; Wilson, 1918a, p. 48, 196.
Artemisia cana, A. canadensis, A. ludoviciana.

Microsiphum giganteum Nevsky. Nevsky, 1928a, p. 192.
Artemisia dracunculus.

Microsiphum jazykovi Nevsky. Nevsky, 1928a, p. 192.
Artemisia absinthium.

Microsiphum oregonensis Wilson. Wilson, 1915a, p. 91.
Artemisia tridentata.

Microsiphum ptarmicae Cholodkovsky. Cholodkovsky, 1908a, p. 687.
Artemisia ptarmica.

Myzus circumflexus Buckton. Davis, 1914a, p. 122; van der Goot, 1916a, p. 52; Griswold, 1927b, p. 14; Hori, 1929b, p. 59, 89; Theobald, 1926a, p. 333; Wilson, 1918a, p. 57.
Artemisia dracunculoides, Aster dumosus, A. multiformis, A. paniculatus, Calendula officinalis, Carduus flodmanii, Chrysanthemum, Cineraria renifolia, Dahlia, Doronicum cruentum, Polymnia canadensis, Rudbeckia laciniata, Senecio cineraria, S. tenuifolius, Solidago missouriensis.

Myzus duffieldi Theobald. Theobald, 1927e.
Chrysanthemum.

Myzus elaeagni Del Guercio. Davis, 1908a, p. 252.
Carduus arvensis.

Myzus erigeroniella Theobald. Theobald, 1926a, p. 354.
Erigeron acris.

Myzus eupatorii Passerini. Ferrari, 1872a, p. 59; Theobald, 1926a, p. 351.
Eupatorium cannabinum.

Myzus filaginis Schouteden. Schouteden, 1906a, p. 231.
Filago.

Myzus fukis Monzen. Monzen, 1927a.
Petasites japonicus.

Myzus higansakurae Monzen. Monzen, 1927a.
Artemisia.

Myzus lactucae Schrank. Hottes, 1930a, p. 181, 1931b, p. 338; Theobald, 1926a, p. 305.

Cichorium endiva, Cnicus arvensis, Crepis viridis, Lactuca, Lapsana communis.

Myzus lactucicola Takahashi. Takahashi, 1934c.
Lactuca lanceolata.

Myzus matricariae Macchiati. Macchiati, 1882a, p. 245.
Matricaria chamomilla.

Myzus persicae Sulzer. Blanchard, 1922a, p. 213; Das, 1918a, p. 169, 268; Essig, 1917a, p. 331–332; Gillette, 1908a, p. 35–36, 1934a, p. 205; van der Goot, 1916a, p. 294; Gould, 1930a, p. 814; Griswold, 1927b, p. 14–15; Hall, 1926a, p. 41; Hori, 1929b, p. 101; Hottes, 1931b, p. 340; Judenko, 1930a, p. 136; Macchiati, 1883a, p. 234; Mason, 1921a, p. 23, 24, 1927a, p. 89; Nevsky, 1929b, p. 125, 393; Passerini, 1863a, p. 338; Takahashi, 1931a, p. 69; Theobald, 1926a, p. 285–287, 322–324; Wilson, 1918a, p. 125; Zeck, 1928a, p. 149.
Ageratum conyzoides, Anthemis cotula, Arctium lappa, A. majus, Bellis perennis, B. sylvestris, Calendula arvensis, C. officinalis, Carduus, Carthamus tinctorius, Centaurea, Chrysanthemum balsamita, C. coccineum, C. frutescens, C. indicum, Cichorium endiva, Cineraria renifolia, Crepis tectorum, Cryptostemma calendulaceum, Cynara, Dyssodia, Echinops echinata, Galactites tomentosa, Gnaphalium spathulatum, Helianthus annuus, Helichrysum bracteatum, Inula dysenterica, Lactuca oldhami, L. sativa, L. spicata, Matricaria inodora, Onopordon acanthium, Petasites, tricholobus, Piqueria trinervia, Rudbeckia laciniata, Senecio crassifolius, S. cruentus, S. elegans, S. jacobaea, S. mikanioides, S. sonchifolius, S. vulgaris, Sonchus oleraceus, Sphenogyne, Taraxacum officinale, Townsendia sericea, Tragopogon.

Myzus pseudosolani Theobald. Gillette, 1934a, p. 206; Patch, 1928a, p. 57.
Ambrosia artemisiifolia, Bidens frondosa, Chrysanthemum leucanthemum, Cineraria, Gnaphalium, Helichrysum, Hieracium aurantiacum, Leontodon autumnalis, Matricaria suaveolens, Senecio vulgaris, Solidago, Sonchus, Tanacetum vulgare.

Myzus sasakii Matsumura. Monzen, 1929a.
Artemisia vulgaris.

Myzus siegesbeckicola Strand. Takahashi, 1931a, p. 70.
Siegesbeckia orientalis.

Myzus solani Kaltenbach. Bartholomew, 1932a, p. 727.
Anthemis.

Nasonovia ribicola Kaltenbach. Zirnits, 1930a, p. 9.
Cichorium intybus, Crepis.

Neaphis viridis Nevsky. Nevsky, 1929a, p. 208.
Artemisia annua.

Neoacaudus inflatus Theobald. Theobald, 1929a, p. 346.
Artemisia vulgaris.

Neomyzus masoni Knowlton. Knowlton, 1928b, p. 170.
Helianthus annuus.

Obtusicauda essigi Soliman. Soliman, 1927a, p. 99.
Artemisia californica.

Oedidiphum compositarum van der Goot. Van der Goot, 1916a, p. 125, 206.
Gnaphalium sylvaticum.

Phorodon inulae Walker. Del Guercio, 1911a, p. 297; Nevsky, 1929b, p. 141, 400; Olsen, 1921a, p. 16; Passerini, 1863a, p. 250; Theobald, 1926a, p. 283; Wilson, 1918a, p. 94.
Adenostyles albida, Galactites tomentosa, Inula britanica, I. conyza, I. dysenterica, I. helenium, I. viscosa, Pulicaria dysenterica.

Pseudoepameibaphis glauca Gillette and Palmer. Gillette, 1932b, p. 478.
Artemisia frigida.

Rhopalosiphoninus lactucae Linnaeus. Lambers, 1931d, p. 5.
Sonchus oleraceus.

Rhopalosiphoninus lampsanae Börner. Börner, 1932b.
Lampsana.

Rhopalosiphoninus lonicerae Siebold. Hottes, 1930a, p. 181; Theobald, 1926a, p. 206.
Lapsana communis.

Rhopalosiphum galeactitis Macchiati. Wilson, 1918a, p. 80.
Galeactites tomentosa.

Rhopalosiphum gnaphalii Tissot. Tissot, 1933b, p. 42.
Gnaphalium.

Rhopalosiphum kiku Hori. Hori, 1929b, p. 50.
Chrysanthemum.

Rhopalosiphum lahorensis Das. Okamoto, 1927a, p. 135; Takahashi, 1931a, p. 53.
Artemisia vulgaris, Chrysanthemum sinensis, Siegesbeckia orientalis.

Rhopalosiphum nymphaeae Linnaeus. Gillette, 1932b, p. 480; Judenko, 1930a, p. 135; Williams, 1891a, p. 7.
Bidens cernua, B. frondosa.

Rhopalosiphum prunifoliae Fitch. Hori, 1929b, p. 56.
Helianthus annuus.

Rhopalosiphum pseudobrassicae Davis. Gould, 1930a, p. 824; Takahashi, 1931a, p. 52.
Chrysanthemum coronarium, Lactuca sativa.

Rhopalosiphum rufomaculata Wilson. Gillette, 1932b, p. 489; Griswold, 1927b, p. 15; Wilson, 1918a, p. 150.
Artemisia ludoviciana, Chrysanthemum coccineum, C. hortorum.

Rhopalosiphum serotinae Oestlund. Gillette, 1932b, p. 491; Oestlund, 1887a, p. 76; Williams, 1891a, p. 12.
Solidago rigida, S. serotina.

Rhopalosiphum trilineatum Del Guercio. Del Guercio, 1920a.
Chrysanthemum.

Siphocoryne angelicae Del Guercio. Del Guercio, 1911a, p. 298.
Artemisia absinthium.

Siphocoryne artemisiae Del Guercio. Del Guercio, 1913b, p. 177.
Artemisia campestris.

Siphocoryne cacaliae Matsumura. Matsumura, 1918a, p. 6.
Cacalia hastata.

Sitobion asterophagum Nevsky. Nevsky, 1928a, p. 187.
Aster.
Titanosiphon bellicosum Nevsky. Nevsky, 1928a, p. 190.
Artemisia scoparia.
Titanosiphon dracunculi Nevsky. Nevsky, 1928a, p. 191.
Artemisia dracunculus.
Tritogenaphis escalantis Knowlton. Knowlton, 1928d, p. 79.
Chrysothamnus nauseosus.
Tritogenaphis eupatorifoliae Tissot. Tissot, 1934a, p. 22.
Eupatorium incarnatum.
Tritogenaphis gutierrezia Pack and Knowlton. Pack, 1929a, p. 203.
Gutierrezia longifolia.
Tritogenaphis kosacaudis Knowlton. Knowlton, 1928d, p. 79.
Chrysothamnus nauseosus.
Tritogenaphis utahensis Pack and Knowlton. Pack, 1929a, p. 202.
Gutierrezia longifolia.
Xerophilaphis alexandrae Nevsky. Nevsky, 1929b, p. 19.
Centaurea squarrosa.
Xerophilaphis anuraphoides Nevsky. Nevsky, 1928b, p. 19.
Carduus, Carthamus oxyacanthus, C. tinctorius, Cirsium arvense, Cousinia, Karelinia caspica.
Xerophilaphis elatior Nevsky. Nevsky, 1928b, p. 16, 1929b, p. 242, 393.
Achillea trichoptera, Artemisia annua.
Xerophilaphis elongata Nevsky. Nevsky, 1928b, p. 17, 1929b, p. 243.
Artemisia annua, Xanthium strumarium.
Xerophilaphis plotnikovi Nevsky. Nevsky, 1928b, p. 13.
Sunflower.

APHIDINAE (CALLIPTERINI):
Chaitophorus abnormis Theobald. Theobald, 1929a, p. 21.
Lactuca muralis.
Chaitophorus chrysanthemi Lambers. Lambers, 1932a, p. 74.
Chrysanthemum sinense.

APHIDINAE (LACHNINI):
Anoecia corni Fabricius. Theobald, 1929a, p. 87; Wilson, 1918a, p. 61.
Carduus, Grindelia squarrosa, Senecio, Taraxacum.
Anoecia querci Fitch. Cutright, 1925a, p. 188; Hottes, 1931b, p. 393.
Aster ericoides, A. novae-angliae, Erigeron philadelphicus, Solidago graminifolia.
Protrama radicis Kaltenbach. Kaltenbach, 1843a, p. 211; Mordvilko, 1931a, p. 878; Schouteden, 1902a, p. 138; Theobald, 1929a, p. 99, 100; Wilson, 1918a, p. 143.
Artemisia campestris, A. vulgaris, Cichorium, Cirsium arvense, Crepis biennis, Doronicum, Hieracium pilosella, Lactuca sativa, L. scariola, Leontodon taraxacum, Silybum marianum, Sonchus oleraceus, Taraxacum officinale.

Trama caudata Del Guercio. Del Guercio, 1907a (1909), p. 344; Mordvilko, 1931a, p. 878; Peneau, 1926a; Wilson, 1918a, p. 53.
Lactuca sativa, L. scariola, Tragopogon porrifolius.

Trama delguercioi Baker. Mordvilko, 1931a, p. 878.
Carthamus, Cinara, Hieracium.

Trama horvathi Del Guercio. Del Guercio, 1907a (1909), p. 344; Mordvilko, 1931a, p. 878.
Cichorium intybus, Leontodon taraxaci, Sonchus asper, S. oleraceus.

Trama oculata Gillette and Palmer. Gillette, 1931a, p. 881.
Taraxacum officinale.

Trama pubescens Koch. Van der Goot, 1915a, p. 513.
Achillea millefolium.

Trama rara Mordvilko. Mordvilko, 1931a, p. 878.
Centaurea, Cichorium, Helianthus tuberosus, Taraxacum.

Trama troglodytes Heyden/ Buckton, 1881a, p. 69; Del Guercio, 1907a (1909), p. 246, 344; Judenko, 1930a, p. 135, 136, 138; Lambers, 1931c, p. 3; Schouteden, 1902a, p. 137; Theobald, 1929a, p. 96; Werder, 1931a, p. 84.
Achillea millefolium, Artemisia campestris, A. vulgaris, Carduus, Centaurea jacea, Cichorium endiva, C. intybus, Cnicus arvensis, Crepis biennis, Cynara cardunculus, Doronicum, Helianthus tuberosus, Hieracium pilosella, Lactuca sativa, L. scariola, Leontodon, Leucanthemum uliginosum, Onopordon acanthium, Rudbeckia, Silybum marianum, Sonchus arvensis, S. asper, S. oleraceus, Taraxacum officinale.

ERIOSOMATINAE (ERIOSOMATINI):

Schizoneura karschii Lichtenstein. Lichtenstein, 1886b, p. 82.
Artemisia campestris.

Tetraneura pallida Haliday. Nevsky, 1929b, p. 370.
Artemisia annua.

ERIOSOMATINAE (FORDINI):

Forda formicaria Heyden. Theobald, 1929a, p. 172.
Sonchus oleraceus.

Forda olivacea Rohwer. Knowlton, 1929a, p. 6.
Artemisia tridentata, Chrysothamnus parryi.

Geoica radicicola Essig. Cutright, 1925a, p. 213.
Aster ericoides, Solidago graminifolia.

Geoica squamosa Hart. Cutright, 1925a, p. 212; Hottes, 1931b, p. 393.
Aster ericoides, Erigeron philadelphicus, Solidago graminifolia.

Pentaphis apuliae Del Guercio. Del Guercio, 1920a.
Cichorium intybus.

Rectinasus buxtoni Theobald. Nevsky, 1929b, p. 380, 394.
Artemisia.

Rectinasus cockerelli Nevsky. Nevsky, 1929b, p. 380.
Xanthium strumarium.

Tycheoides setariae Passerini. Passerini, 1860a, p. 251; Wilson, 1918a, p. 156.
Lactuca scariola, L. virosa.

ERIOSOMATINAE (PEMPHIGINI):

Pemphigus asteris Lichtenstein. Wilson, 1918a, p. 38.
Aster.

Pemphigus betae Doane. Davis, 1910d, p. 410; Gillette, 1909c, p. 354; Jackson, 1908a, p. 218; Parker, 1914a, p. 137.
Achillea millefolium, Aster, Bidens vulgata, Iva xanthifolia, Solidago.

Pemphigus borealis Tullgren. Theobald, 1929a, p. 260.
Lactuca, Taraxacum.

Pemphigus brevicornis Hart. Hottes, 1931b, p. 365, 393; Wilson, 1918a, p. 45.
Achillea ageratum, A. millefolium, Aster, Erigeron philadelphicus, Iva, Solidago.

Pemphigus bursarius Linnaeus. Van der Goot, 1915a, p. 468; Lambers, 1931d, p. 6; Theobald, 1926a, p. 256, 1929a, p. 249; Wilson, 1918a, p. 46; Zirnits, 1927a, p. 253.
Carduus, Cichorium intybus, Lactuca muralis, L. saligna, L. sativa, L. scariola, L. virosa, Lapsana, Sonchus arvensis, S. asper, S. oleraceus.

Pemphigus filaginis Boyer. Ferrari, 1872a, p. 83; Del Guercio, 1911a, p. 297; Judenko, 1930a, p. 136; Mordvilko, 1935a, p. 78–80; Tullgren, 1909a, p. 137; Wilson, 1918a, p. 75.
Filago arvensis, F. gallica, F. germanica, F. minima, Gnaphalium erectum, G. sylvaticum, G. uliginosum.

Pemphigus indicus Keiffer. Wilson, 1918a, p. 92.
Coreopsis.

Pemphigus lactucae Fitch. Cutright, 1925a, p. 201.
Aster ericoides, A. novae-angliae, Bidens bipinnata, Callistephus chinensis, Lactuca canadensis, L. sativa, Senecio aureus, Solidago caesia, S. canadensis, S. erecta, S. graminifolia, Taraxacum officinale.

Pemphigus lactucae Westwood. Wilson, 1918a, p. 98.
Lactuca.

Pemphigus lactucarius Passerini. Buckton, 1881a, p. 125; Kaltenbach, 1874a, p. 394; Nevsky, 1929b, p. 358; Passerini, 1863a, p. 250.
Anthemis cotula, Bidens cernua, Lactuca saligna, L. sativa, L. scariola, L. virosa, Sonchus asper, S. oleraceus.

Pemphigus tartareus Hottes and Frison. Hottes, 1931b, p. 369.
Bidens.

ERIOSOMATINAE (PROCIPHILINI):

Prociphilus erigeronensis Thomas. Cutright, 1925a, p. 208; Gillette, 1934a, p. 231; Hottes, 1931b, p. 371; Hunter, 1901a, p. 69; Thomas, 1879a, p. 168.
Ambrosia artemisiifolia, A. trifida, Aster ericoides, A. novae-angliae, Bidens bipinnata, Callistephus chinensis, Cichorium endiva, C. intybus, Erigeron canadensis, Helianthus, Lactuca sativa, Solidago

canadensis, S. graminifolia Taraxacum officinale, Tragopogon porrifolius, Xanthium commune.

Thecabius affinis Kaltenbach. Theobald, 1929a, p. 223.
Sonchus oleraceus.

HORMAPHIDINAE (CERATAPHIDINI):

Aleurodaphis blumeae van der Goot. Takahashi, 1931a, p. 93.
Blumea chinensis.

Aleurodaphis mikaniae Takahashi. Takahashi, 1931a, p. 93.
Mikania scandens.

FOOD PLANTS NOT RECORDED IN THIS CATALOGUE FOR THE FOLLOWING APHIDS

APHIDINAE (APHIDINI):

Acyrthosiphon emeljanovi Mordvilko. Mordvilko, 1914a, p. 171.
Food plant?

Acyrthosiphon kamtshatkanum Mordvilko. Mordvilko, 1914a, p. 144.
Food plant?

Acyrthosiphon moltshanovi Mordvilko. Mordvilko, 1914a, p. 183.
(planta incognita)

Acyrthosiphon norvegicum Mordvilko. Mordvilko, 1914a, p. 143.
Food plant?

Acyrthosiphon rjabushinskiji Mordvilko. Mordvilko, 1919a, p. 244, app. p. 5.
(planta incognita)

Anameson kamtshaticum Mordvilko. Mordvilko, 1919a, p. 337.
(planta incognita)

Anuraphis erratica Del Guercio. Del Guercio, 1917a, p. 233.
Food plant?

Anuraphis siciliensis Theobald. Theobald, 1927b, p. 18.
"Ants' nest."

Aphis amerinae Hartig. Hartig, 1841a, p. 369; Wilson, 1918a, p. 33.
Food plant not given.

Aphis bicolor Haldeman. Haldeman, 1844a, p. 168; Hottes, 1930a, p. 180.
Food plant not given.

Aphis cisti Walker. Walker, 1852a, p. 1037; Wilson, 1918a, p. 57.
Food plant not given.

Aphis discolor Burmeister. Burmeister, 1835a, p. 94.
Food plant not given.

Aphis discolor Haldeman. Haldeman, 1844a. p. 169; Hunter, 1901a, p. 96.
Food plant not given.

Aphis egens Walker. Walker, 1852a, p. 1036; Wilson, 1918a, p. 71.
Food plant not given.

Aphis fuscipennis Zetterstedt. Tullgren, 1909a, p. 6; Wilson, 1918a, p. 80.
"Hab in Lapponiae Suecicae meridionalis, sylvis, rarissime, etc."

Aphis humilis Walker. Walker, 1852a, p. 1038; Wilson, 1918a, p. 90.
Food plant not given.
Aphis jani Ferrari. Ferrari, 1872a, p. 73; Wilson, 1918a, p. 95.
Food plant not given.
Aphis lanata Zetterstedt. Tullgren, 1909a, p. 6; Wilson, 1918a, p. 98.
"Species not recognizable."
Aphis mayeri Gmelin. Walker, 1852a, p. 1009; Wilson, 1918a, p. 108.
Food plant?
Aphis melissae Walker. Walker, 1852a, p. 1037; Wilson, 1918a, p. 109.
Food plant not given.
Aphis obnoxia Mordvilko. Wilson, 1918a, p. 117.
Food plant?
Aphis palans Walker. Walker, 1852a, p. 1043; Wilson, 1918a, p. 120.
Food plant not given.
Aphis pheidolei Theobald. Theobald, 1918b, p. 286.
"Associated with ants (*Pheidole* sp.)"
Aphis rufipes Hartig. Hartig, 1841, p. 369; Wilson, 1918a, p. 150.
Food plant not given.
Aphis submacula Walker. Walker, 1848a, p. 104; Wilson, 1918a, p. 163.
Food plant not given.
Aphis superabilis Walker. Walker, 1852a, p. 1039; Wilson, 1918a, p. 164.
Food plant not given.
Aphis valida Walker. Walker, 1852a, p. 1033; Wilson, 1918a, p. 174.
Food plant not given.
Aphis vitellinae Hartig. Hartig, 1841a, p. 369; Wilson, 1918a, p. 178.
Food plant not given.
Carolinaia tade Shinji. Shinji, 1927a, p. 55.
Food plant not recorded.
Coloradoa cydiae Börner. Börner, 1932b.
Food plant?
Eucarazzia picta Del Guercio. Del Guercio, 1920a.
Food plant?
Macrosiphoniella aurantiaca Del Guercio. Del Guercio, 1913a, p. 117.
Food plant?
Macrosiphum caudata Pergande. Hunter, 1901a, p. 113; Pergande, 1900b, p. 513; Wilson, 1918a, p. 53.
Food plant not ascertained. (Harriman Expedition in Alaska.)
Macrosiphum formicarium Theobald. Theobald, 1915d, p. 55.
"In a nest of *Lasius niger*."
Macrosiphum gravelii van der Goot. Van der Goot, 1917a, p. 175.
"Food plant unknown."
Macrosiphum insularis Pergande. Hunter, 1901a, p. 115; Pergande, 1900b, p. 515; Wilson, 1918a, p. 94.
Food plant not ascertained. (Harriman Expedition in Alaska.)
Macrosiphum myrmecophilum Theobald. Theobald, 1916c, p. 49; 1916e.
"In nest of *Lasius niger*."
Macrosiphum nipponicum Essig and Kuwana. Essig, 1918a, p. 48.
Food plant not given.

Macrosiphum zerozalphum Knowlton. Knowlton, 1935d, p. 194.
Food plant not given.
Rhopalosiphum erraticum Koch. Koch, 1857a, p. 35.
"Die Pflanze, worauf diese Art lebt, kenne ich nicht."
Rhopalosiphum vagans van der Goot. Van der Goot, 1917a, p. 177.
"Food plant unknown."
Toxoptera (Schizoneura?) rotundiventris Signoret. Schouteden, 1906d, p. 37; Wilson, 1918a, p. 148.
Food plant not given.

APHIDINAE (CALLIPTERINI):
Callipterus bicolor Koch. Koch, 1857a, p. 212; Wilson, 1918a, p. 44.
Food plant not given.
Chaitophorus chinensis Takahashi. Takahashi, 1930e, p. 9.
Food plant not given.
Chaitophorus sali-apterus Shinji. Shinji, 1927a, p. 39.
Food plant not recorded.
Myzocallis edwardsi Laing. Laing, 1927c, p. 23.
Food plant?
Pterocallis pictus Ferrari. Ferrari, 1872a, p. 77.
"vagans."
Therioaphis shinae Shinji. Shinji, 1927a, p. 32.
Food plant not given.
Tuberculatus kiowanica Hottes. Hottes, 1933a, p. 8.
"Taken as a drift in net while sweeping. . . ."

APHIDINAE (GREENIDEINI):
Trichosiphum minutum van der Goot. Van der Goot, 1916b, p. 3.
"On a jungle creeper."
Trichosiphum montanum van der Goot. Van der Goot, 1917a, p. 179.
"Food plant unknown."

APHIDINAE (LACHNINI):
Aiceona osugii Takahashi. Takahashi, 1931a, p. 26.
"Food plant unknown."
Dryobius riparius Snellen Van Vollenhoven. Wilson, 1918a, p. 146.
Food plant?
Lachnus formicophilus Buckton. Buckton, 1901a, p. 257; Schouteden, 1906a, p. 201.
In ants' nest.
Lachnus himalayensis van der Goot. Van der Goot, 1917a, p. 180.
"Food plant unknown."
Lachnus pruinosus Hartig. Hartig, 1841a, p. 368. "Im Berliner Thiergarten gefangen"; Wilson, 1918a, p. 137.
Lachnus similis van der Goot. Van der Goot, 1917a, p. 182.
"Food plant unknown."
Neotrama formicella Theobald. Theobald, 1929a, p. 102.
On roots of plants in nest of *Lasius niger*.

Protrama donisthorpei Theobald. Theobald, 1929a, p. 101.
Found in nest of *Tetramorium caespitum.*

Pulvius prosbosceus Sanborn. Sanborn, 1906a, p. 2251 (supplying name for Sanborn, 1904a, p. 14); Schumacher, 1921b, p. 191.
In ants' nest in walnut stump.

APHIDINAE (SETAPHIDINI):

Brasilaphis bondari Mordvilko. Mordvilko, 1930d, p. 278.
Food plant not given.

ERIOSOMATINAE:

Forda furcata Theobald. Theobald, 1929a, p. 178.
In nest of *Myrmica laevinodis.*

Forda hexagona Theobald. Theobald, 1929a, p. 177.
In nest of *Formica fusca* and *Lasius flavus.*

Forda interjecti Cockerell. Cockerell, 1903a, p. 217; Rohwer, 1908a, p. 67.
"Associated with ants."

Forda rotunda Theobald. Theobald, 1914a, p. 31.
In nest of *Tapinoma erraticum.*

Nishiyana aomoriensis Matsumura. Matsumura, 1917a, p. 91.
Food plant unknown.

Pemphigus formicarius Walsh. Jackson, 1908a, p. 198; Walsh, 1862a, p. 308.
In nest of *Formica aphidicola.*

Pemphigus formicetorum Walsh. Jackson, 1908a, p. 198; Walsh, 1862a, p. 308.
In nest of *Formica aphidicola.*

Pemphigus glebae Jackson. Jackson, 1918a, p. 88; Theobald, 1920a, p. 260.
Food plant unknown.

Prociphilus erraticus Koch. Koch, 1857a, p. 283.
"Die Pflanze, worauf diese Art lebt, ist noch nicht bekannt."

Rectinasus shelkovnikovi Mordvilko. Wilson, 1918a, p. 156.
From ant hill.

Schizoneura obscura Walker. Walker, 1852a, p. 1051; Wilson, 1918a, p. 117.
Food plant not given.

Schizoneura turbida Walker. Walker, 1852a, p. 1051; Wilson, 1918a, p. 171.
Food plant not given.

Tetraneura reticulata Del Guercio. Del Guercio, 1920a, p. 121.
"dei pascoli di Foggia"

Tetraneura rugicornis Hartig. Hartig, 1841a, p. 366; Wilson, 1918a, p. 150.
No description.

Tychea crassa Cockerell. Cockerell, 1903a, p. 218.
Associated with ants.

Tychea lasii Cockerell. Cockerell, 1903a, p. 217.
"With *Lasius americanus.*"

Tychea pallidula Cockerell. Cockerell, 1903a, p. 217.
Associated with ants.

HORMAPHIDINAE:

Thoracaphis jici Swezey. Swezey, 1921a, p. 257.
Collected in the Hawaiian Islands in 1918 and 1920.

PHYLLOXERINAE:

Phylloxera crassirostris Dahl. Dahl, 1912a, p. 435; Wilson, 1918a, p. 64.
Food plant?

UNCLASSIFIED GENUS:

Termitaphis annandalei Silvestri. Silvestri, 1921a, p. 71–74.
In nests of *Coptotermes heimi* in trunk of *Ficus bengalensis*.

Termitaphis mexicana Silvestri. Silvestri, 1911a.
Food plant?

Termitaphis subafra Silvestri. Silvestri, 1911a.
Food plant?

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No attempt has been made to give a complete list of synonyms for any species. No attempt has been made to restrict the citation of a synonym to a first authority. Indeed, a more recent publication is often cited because it may present an interesting perspective of earlier synonomy of the same species.

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? TRIFOLII Oestlund 1887a p. 55 = BAKERI Cowen (ANURAPHIS). Davis 1908a p. 259; Smith 1923a p. 4.
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VICIAE Fabricius 1781a p. 390 = RUMICIS Linnaeus (APHIS). Horsfall 1925a p. 7; Theobald 1927a p. 98.
VICIAE Kaltenbach 1843a p. 20 = BIBULA Hottes (MEGOURA). Hottes 1930a p. 184.
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VINCAE Walker 1848a p. 429 = CONVOLVULI Kaltenbach (MYZUS). Theobald 1926a p. 336.
VIOLAE Essig 1909a p. 4 = VIOLAE Pergande (IDIOPTERUS). Essig 1909b p. 47.
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? WALSHII Williams 1910a p. 15 = ULMISACCULI Patch (TETRANEURA). Davis 1911b p. 5.
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? ZEAE-MAIDIS Dufour 1824a (COCCUS) = TRIVIALIS Passerini (PENTAPHIS) Passerini 1863b p. 82; Theobald 1929a p. 190.
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CORRECTIONS

Page 106, line 16: **"phaenax"** should read **"phoenax."**
Page 126, line 5: **"glauci"** should read **"glaucii."**
Page 156, line 19: "Moseley" should read "Mosley."
Page 174, line 3: **"zizyphus"** should read **"zizyphi."**
Page 177, line 32: **"diplantereae"** should read **"diplanterae."**
Page 240, line 9: **"Aphis helianthi** van der Goot. Van der Goot" should read **"Aphis helianthi** del Guercio. Del Guercio."
Page 254, line 41: "Passerini, 1836b" should read "Passerini, 1863b."
Page 307, line 45: "1896a" should read "1869a."